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1200 SW Park Avenue Portland, OR 97205-2483 Photos - Pepco Submerged cable Willamette River (ca. 1945) 503-306-5240

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Collection number ORG LOT 274

Author/Title or description
John S. Vol pe Collection

Citation Forms for Collections at the Oregon Historical Society Research Library

Manuscripts

[Description of item], [date], [Collection name], Mss [#], Box [#]/Folder [#], [Negative number*, if present], Oregon Historical Society Research Library.

Example:

Letter from William Clark to Eva Emery Dye, 12 January 1890, Eva Emery Dye Papers, MSS 1089, Box 2/Folder 6, ba999999, Oregon Historical Society Research Library.

Photographs

Organized Lots

[Description of image], [date], [Org. lot name], Org. Lot [number], Box [#]/Folder [#], [Negative number,* if present], Oregon Historical Society Research Library. Example:

Governor Tom McCall visits an Oregon Beach, May 1967, Tom Lawson McCall Photographs Collection, Org. Lot 353, Box 1/Folder 6, ba999999, Oregon Historical Society Research Library.

Self-indexing photo files

[Description of image], [date], Self-indexing photo file [#], [Negative number,* if present], Oregon Historical Society Research Library.

Example:

Masonic Temple, Astoria, Oregon, 13 November 1975, Self-indexing photo file #58-B-1, OrHi 23242, Oregon Historical Society Research Library.

Photographs card catalog (Computer cards)

[Description of image], [date], Photographs card catalog, [Negative number], Oregon Historical Society Research Library.

Example:

Alason Beers House Mission Bretton on Mission Hospital site, circa 1899, Photographs card catalog, OrHi 76872, Oregon Historical Society Research Library.

Maps

[Title], [date], [negative number or call number], Oregon Historical Society Research Library.

Example:

Street Map of Portland, 1958, G4294.P6 1958 .H6, Oregon Historical Society Research Library.

Oral Histories

[Interview name], SR [#], [Tape # and side or Transcript p. #], Oregon Historical Research Library.

Example:

Celilo Falls Series, SR 967, Tape 3, Side 1, Oregon Historical Society Research Library.

Books, Pamphlets & Serials Follow standard format for citing published materials.

Newspapers

Tyler Fox, "Bigfoot Seen in Bend," Oregonian, March 14, 1986, p. 6 column 3.

Scrapbooks

Scrapbook 56, p. 14, Oregon Historical Society Research Library.

Vertical Files

"Portland-Neighborhoods-Richmond," Vertical File, Oregon Historical Society Research Library.

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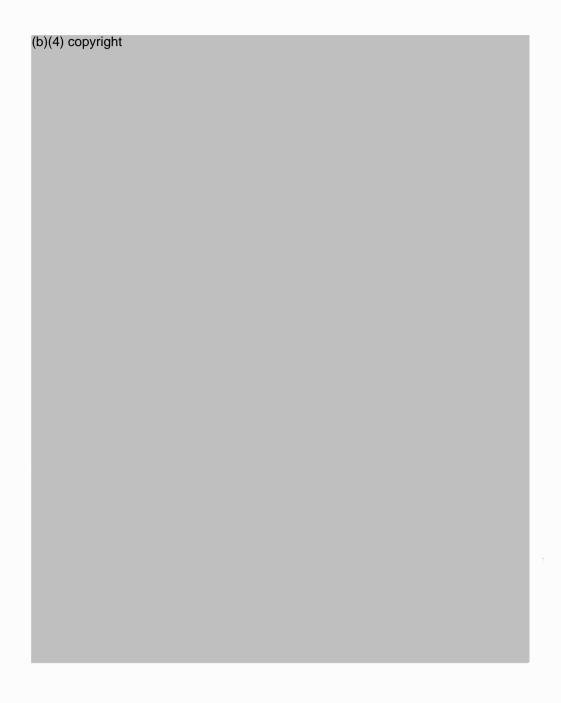
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Photo Album - First Submerged Electrical Cable - Pepco (ca. 1945)

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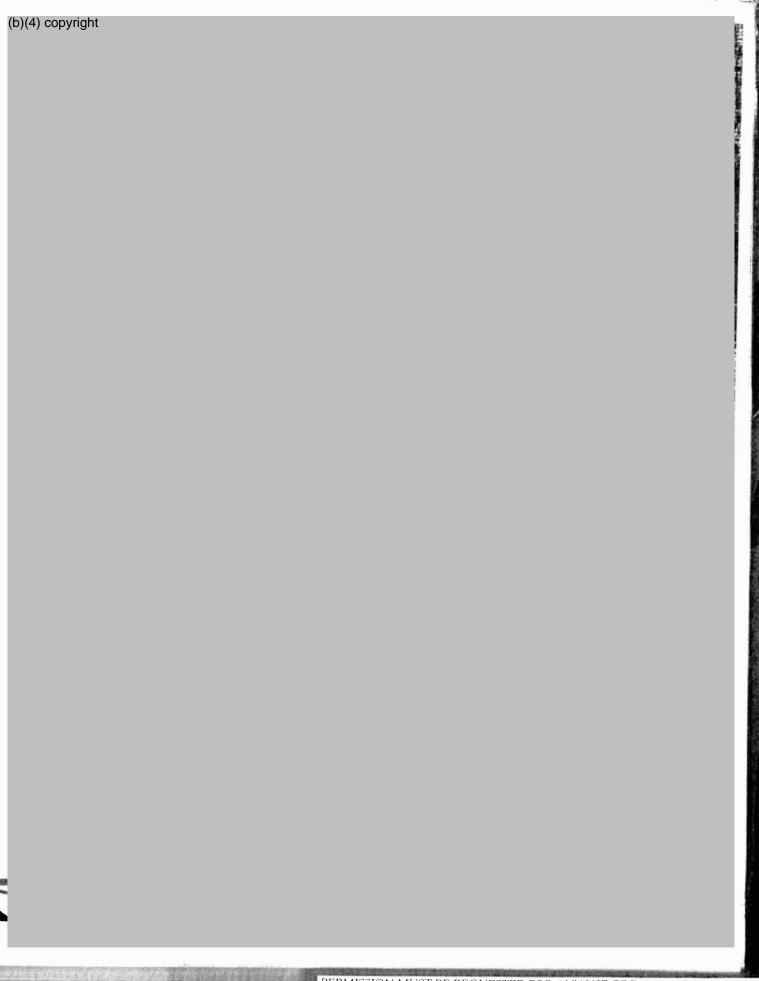
Scrapbook 56, p. 14, Oregon Historical Society Research Library.

Vertical Files

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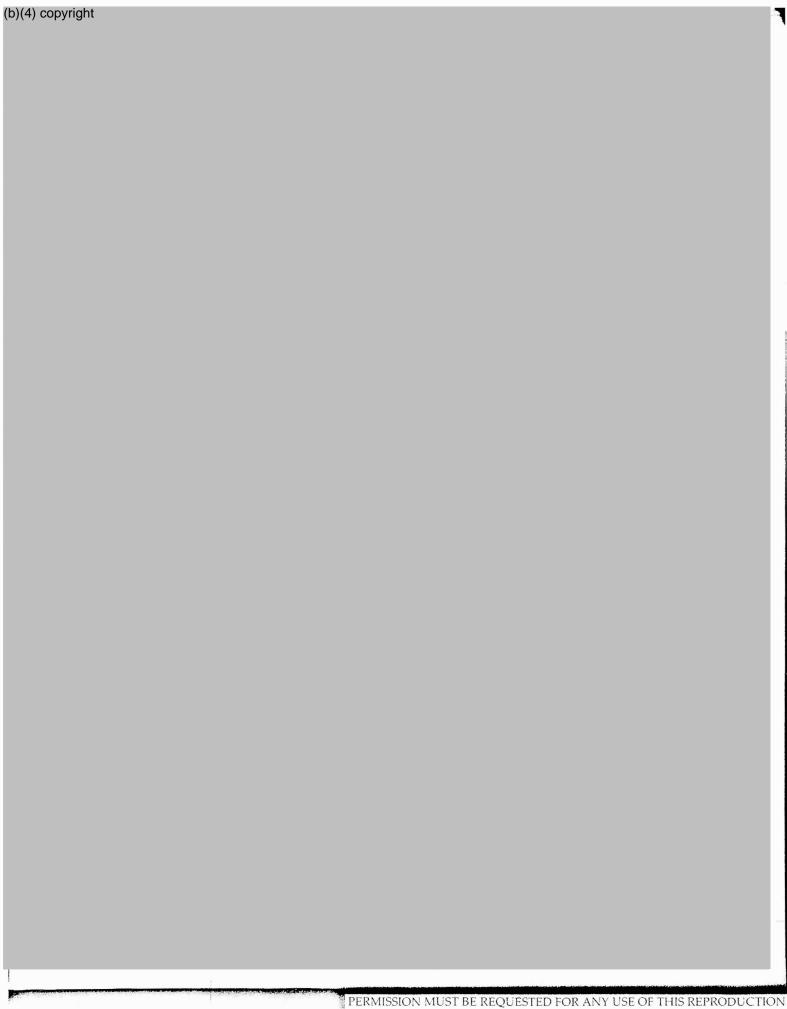
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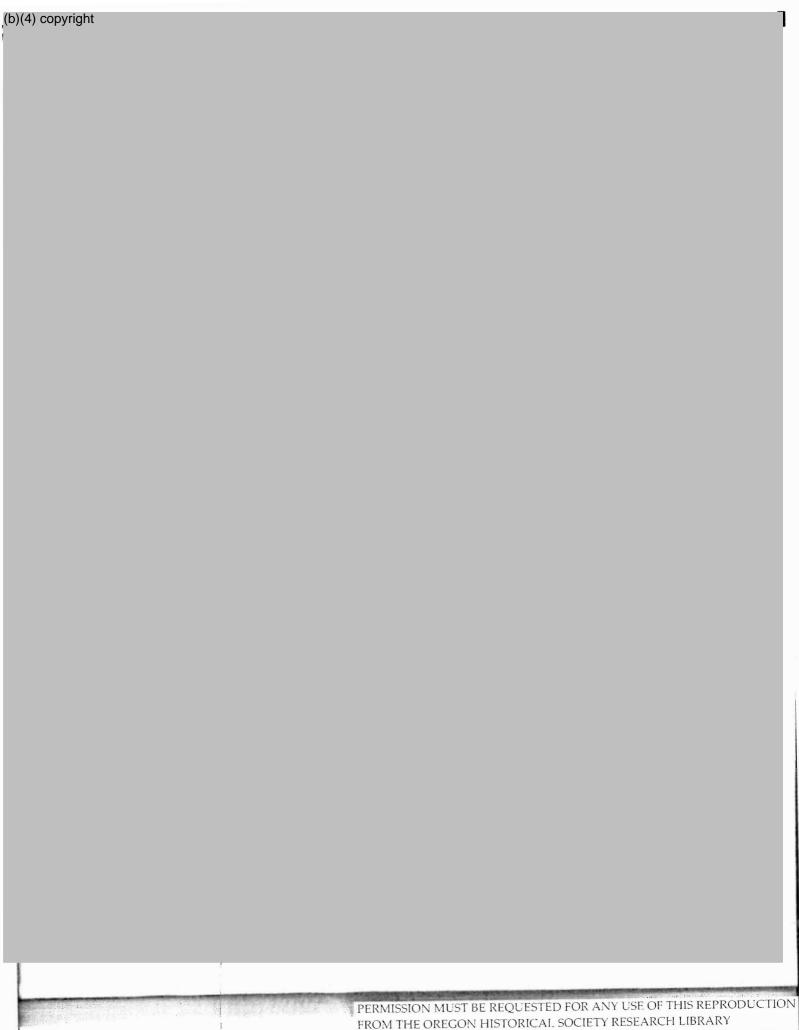
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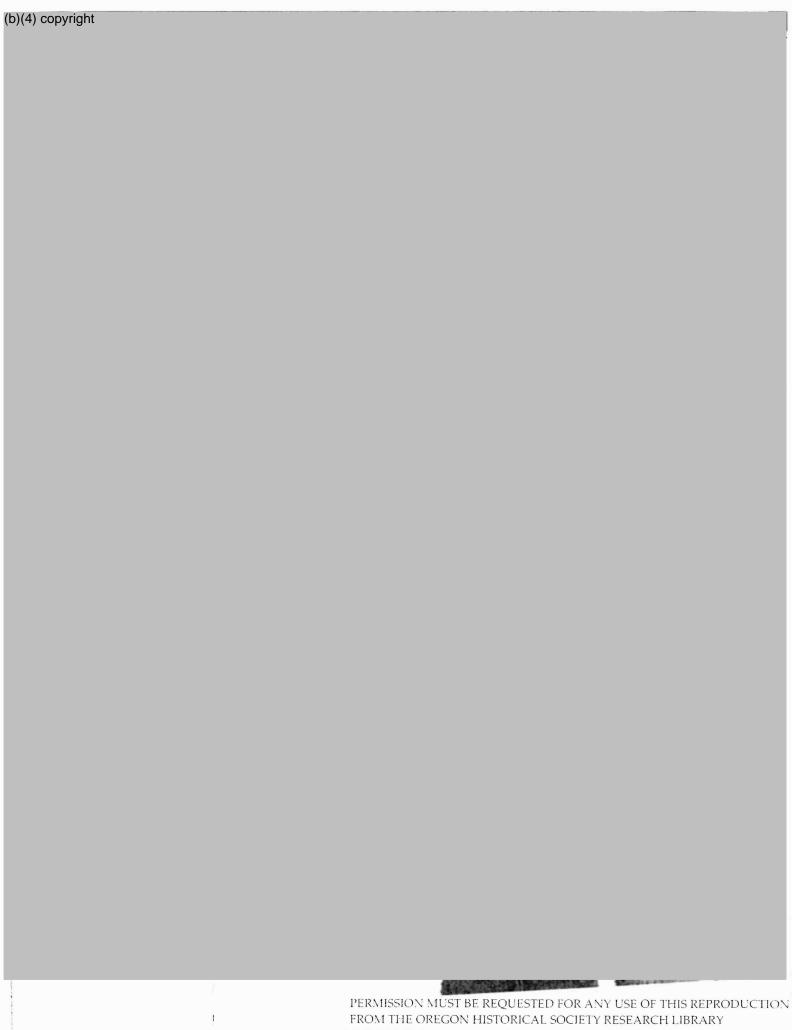


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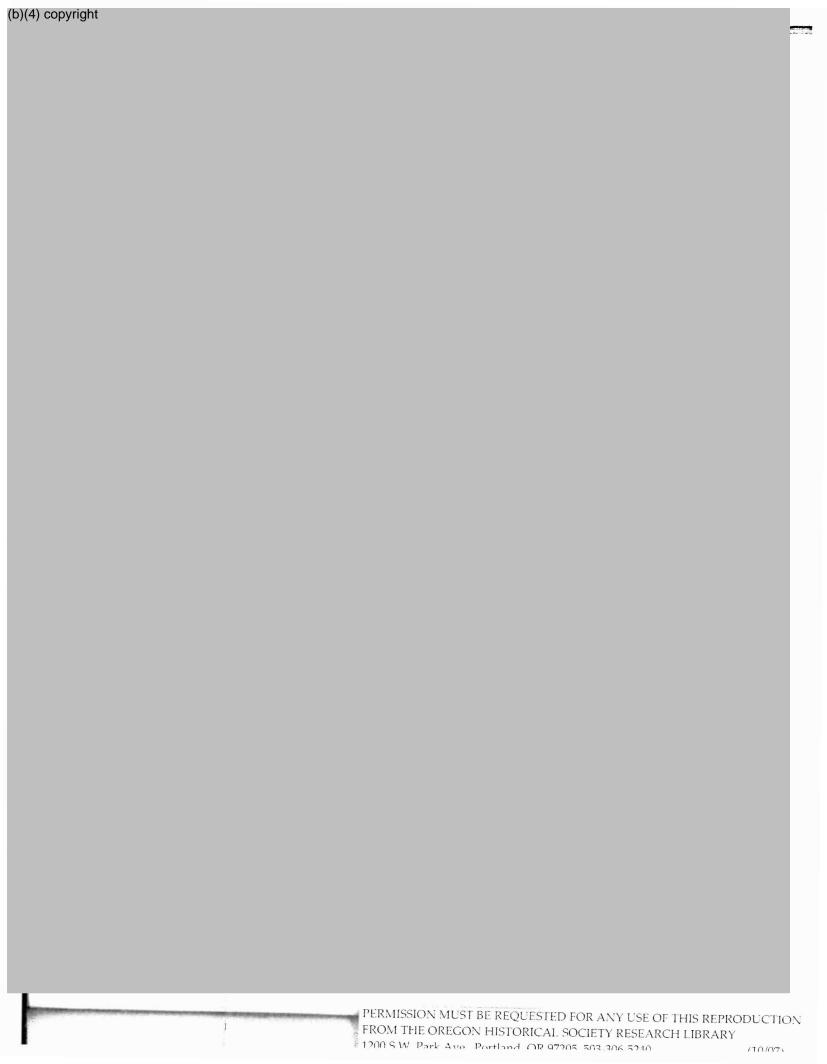


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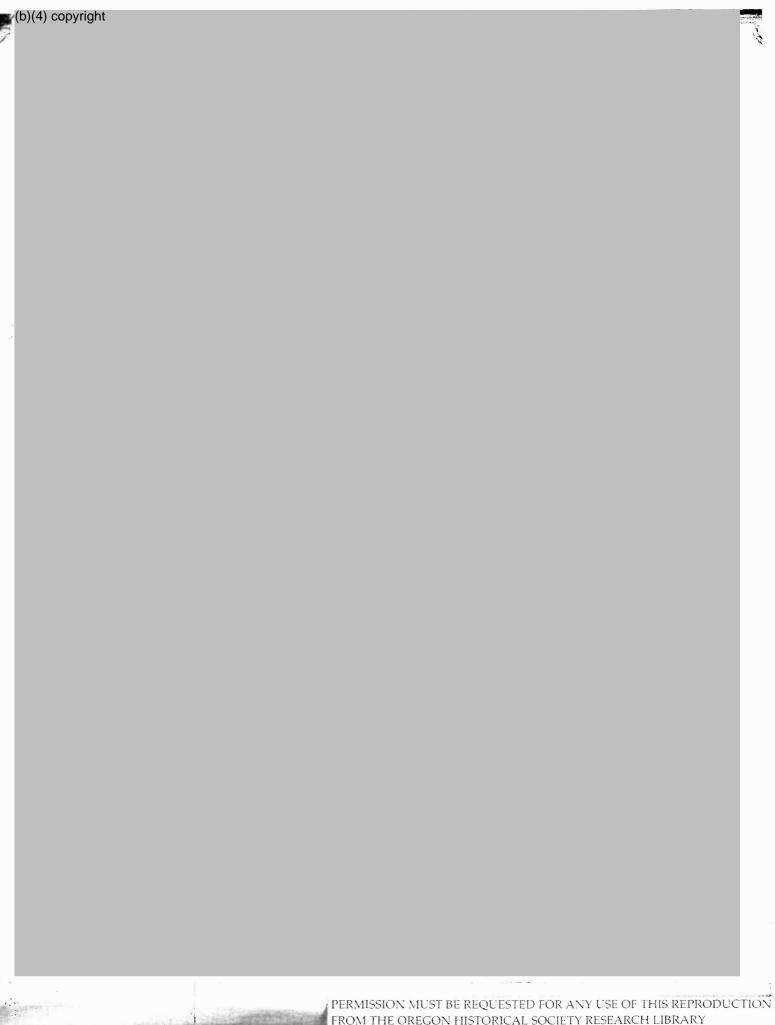
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Photos-John Volpe @ work (ca. 1929 - 1950)

Collection number ORG VOT 274

Author/Title or description

John S, Volpe Collection

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Newspapers

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Scrapbooks

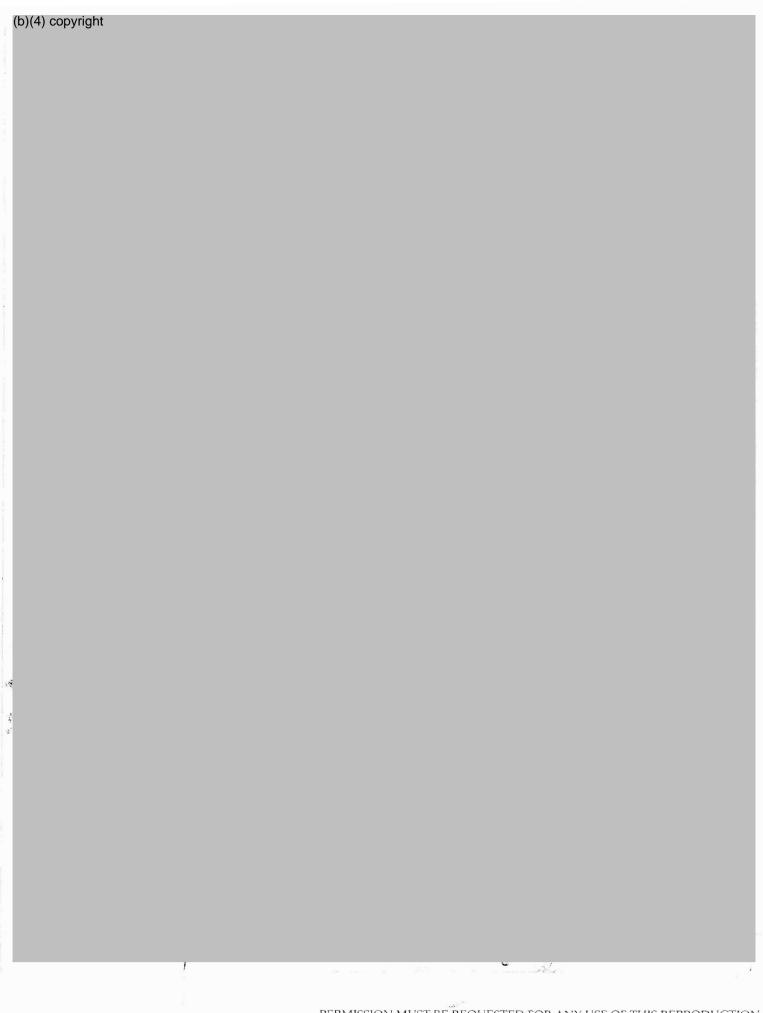
Scrapbook 56, p. 14, Oregon Historical Society Research Library.

Vertical Files

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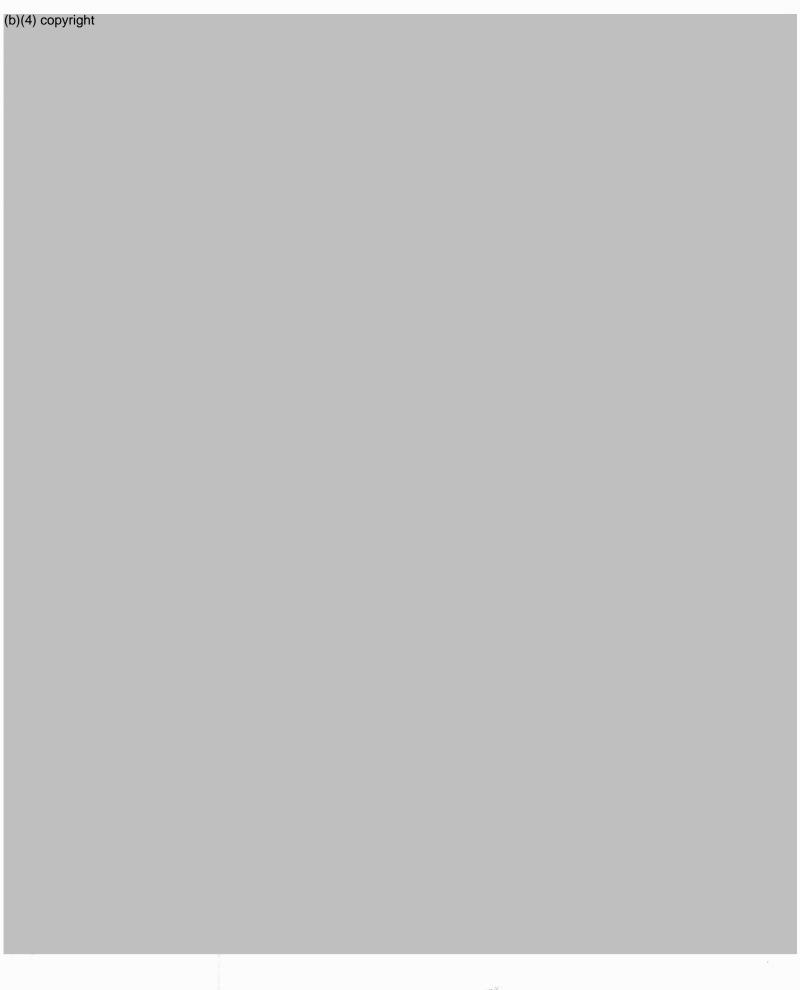
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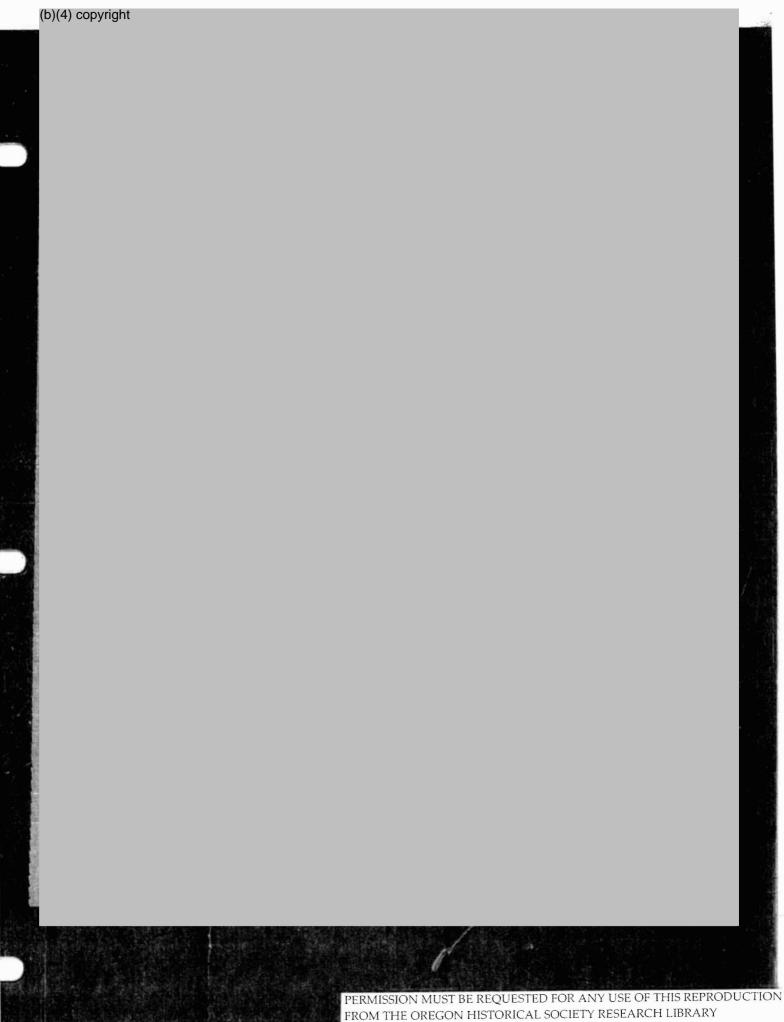
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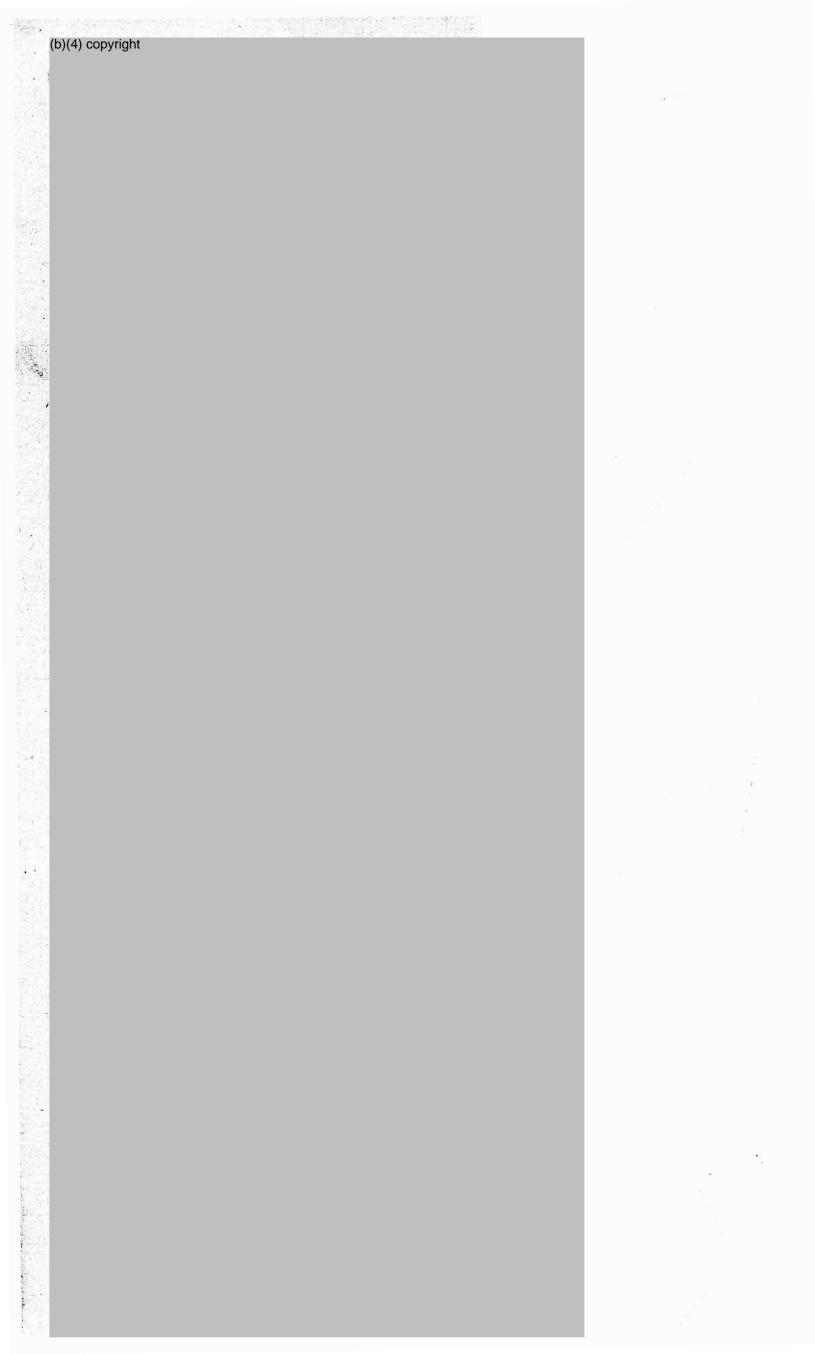
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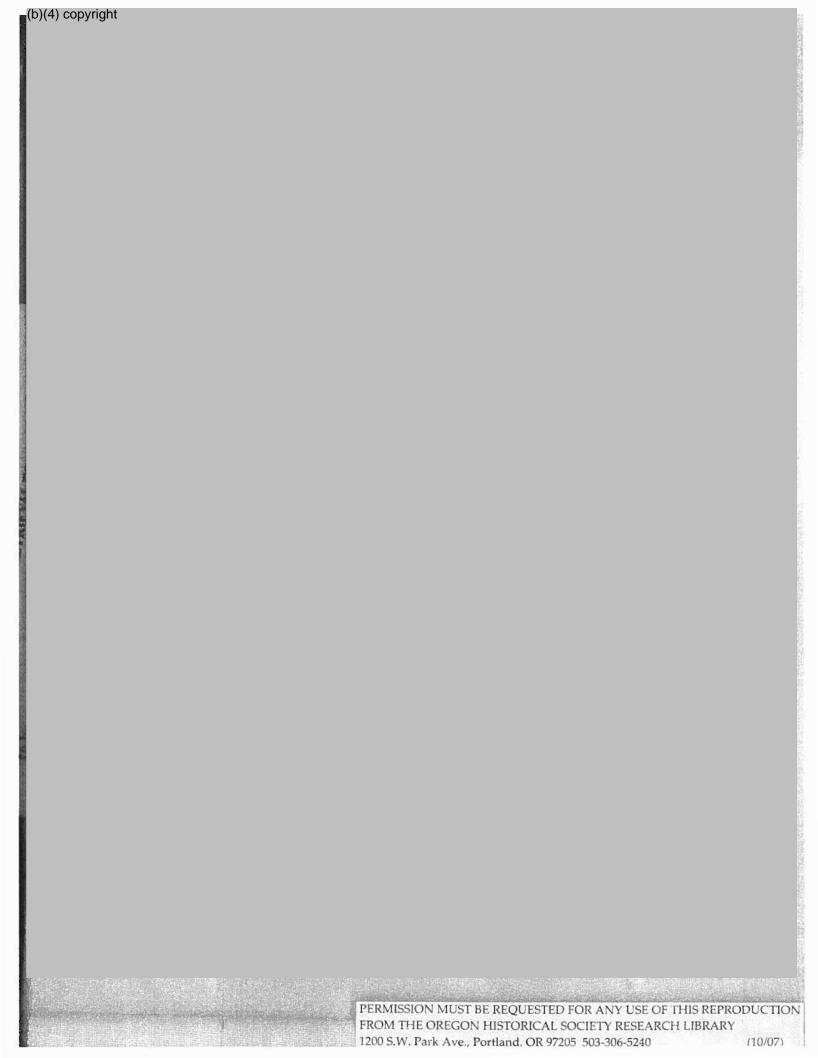


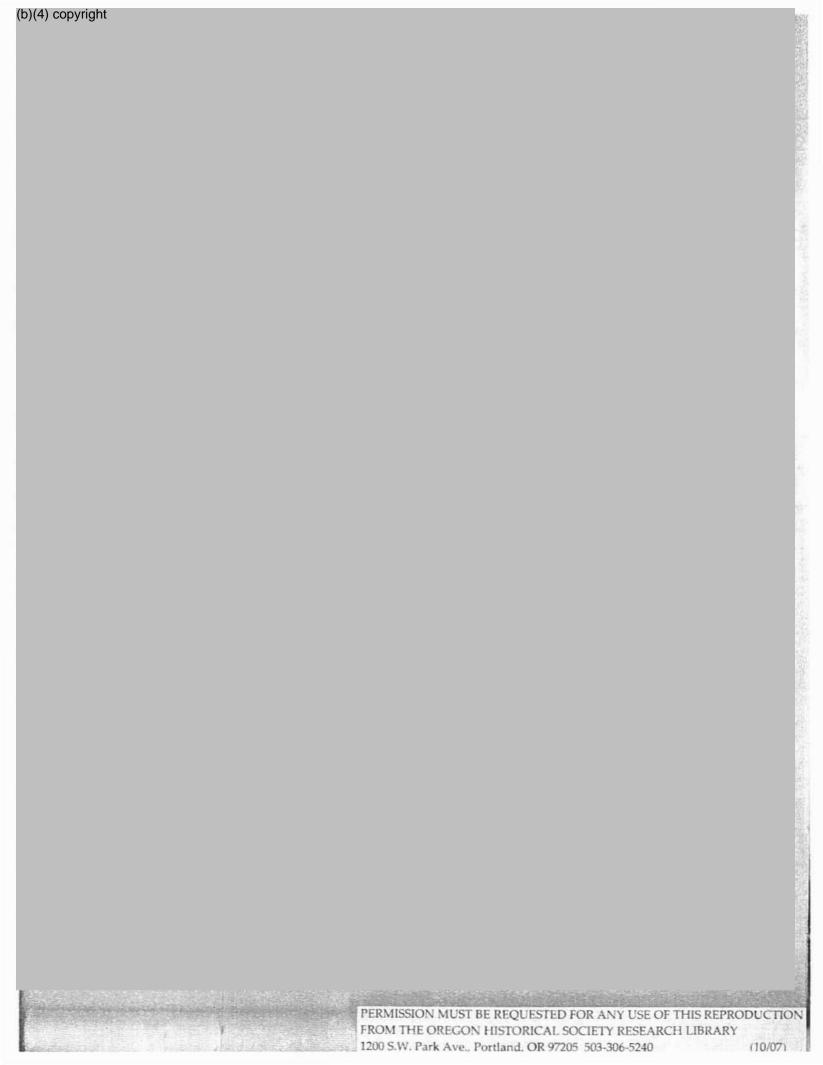


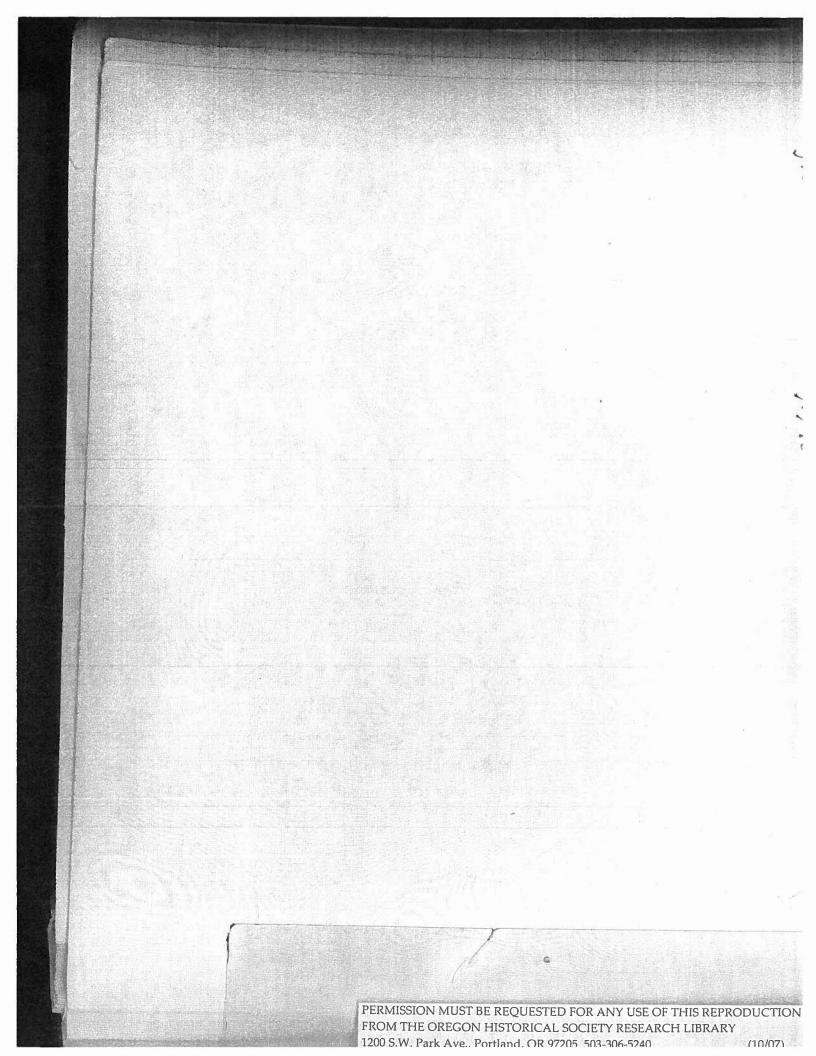


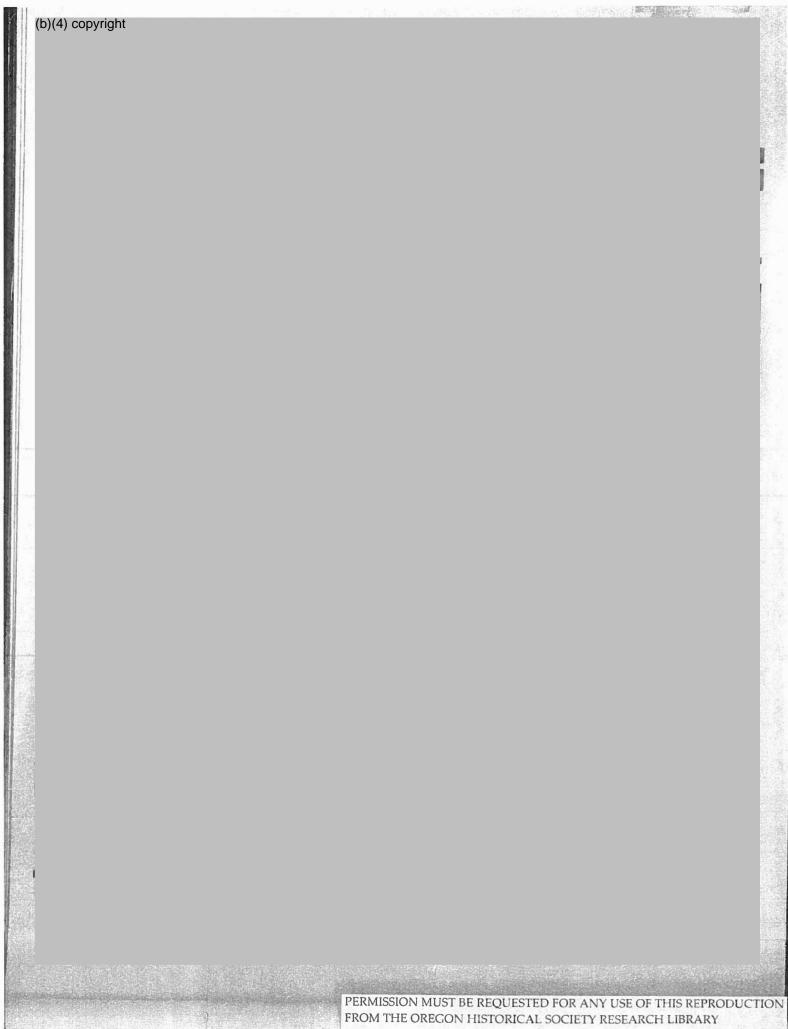
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A 15t Section of 3 conductor 500,000 CM 60KV Oil Filled Submarine Cable 2 cables installed and completed in April 1945 280 Mills paper Shielded 175 " Lead wire armor and Jute





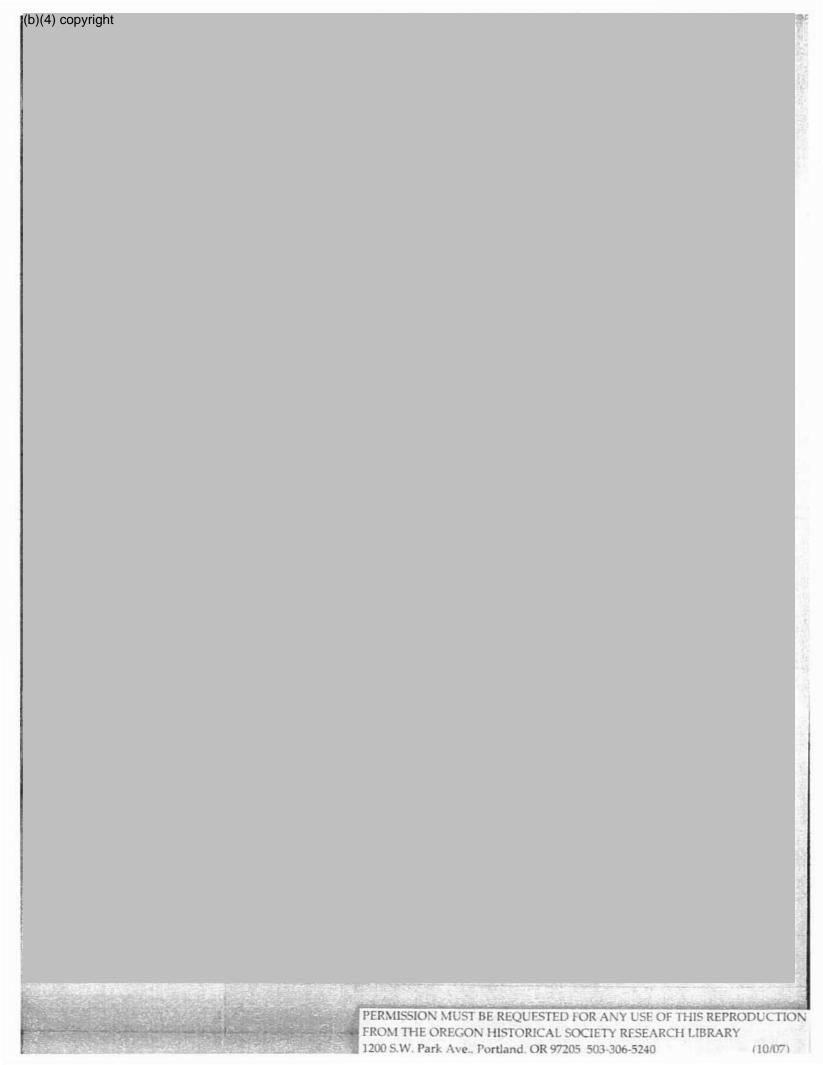




Lowering reeds unto Burge in the river 3/1/45

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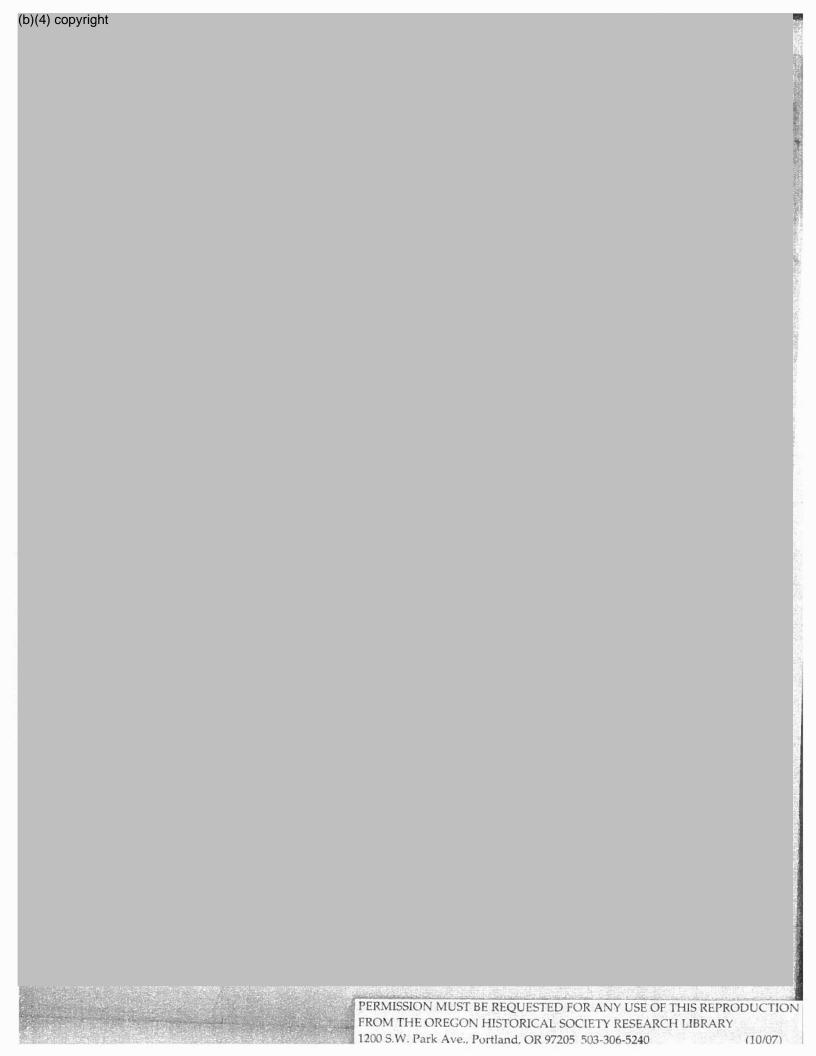


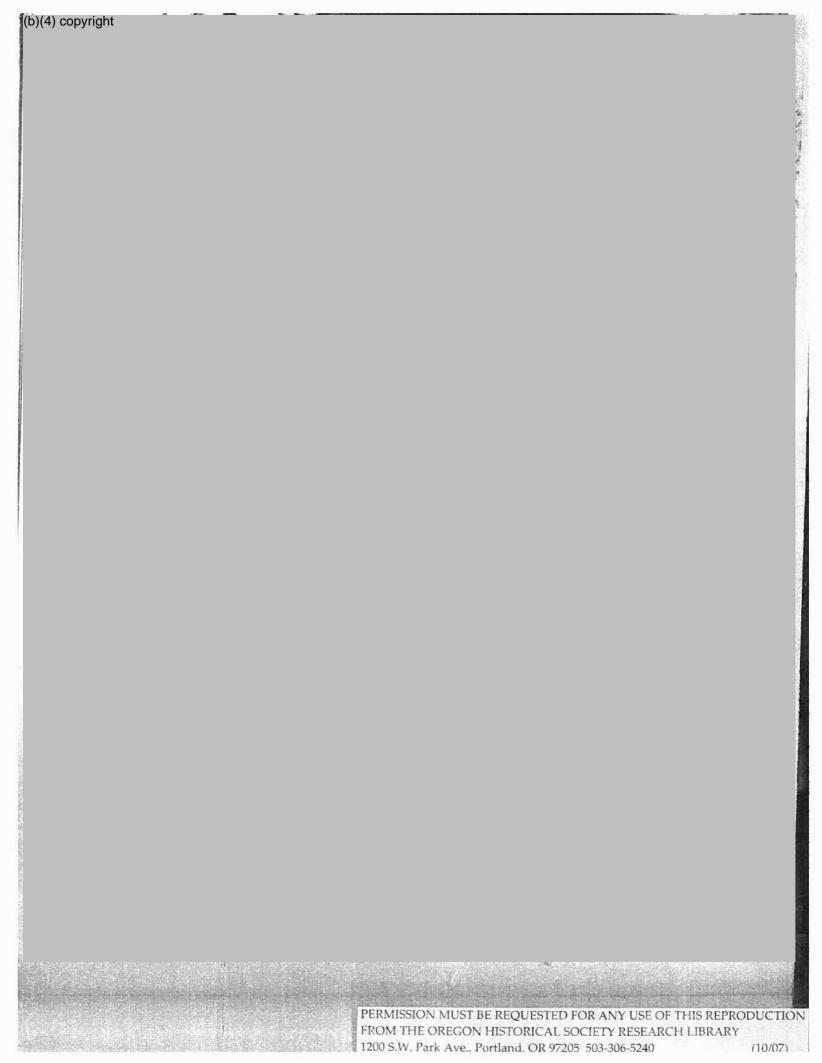
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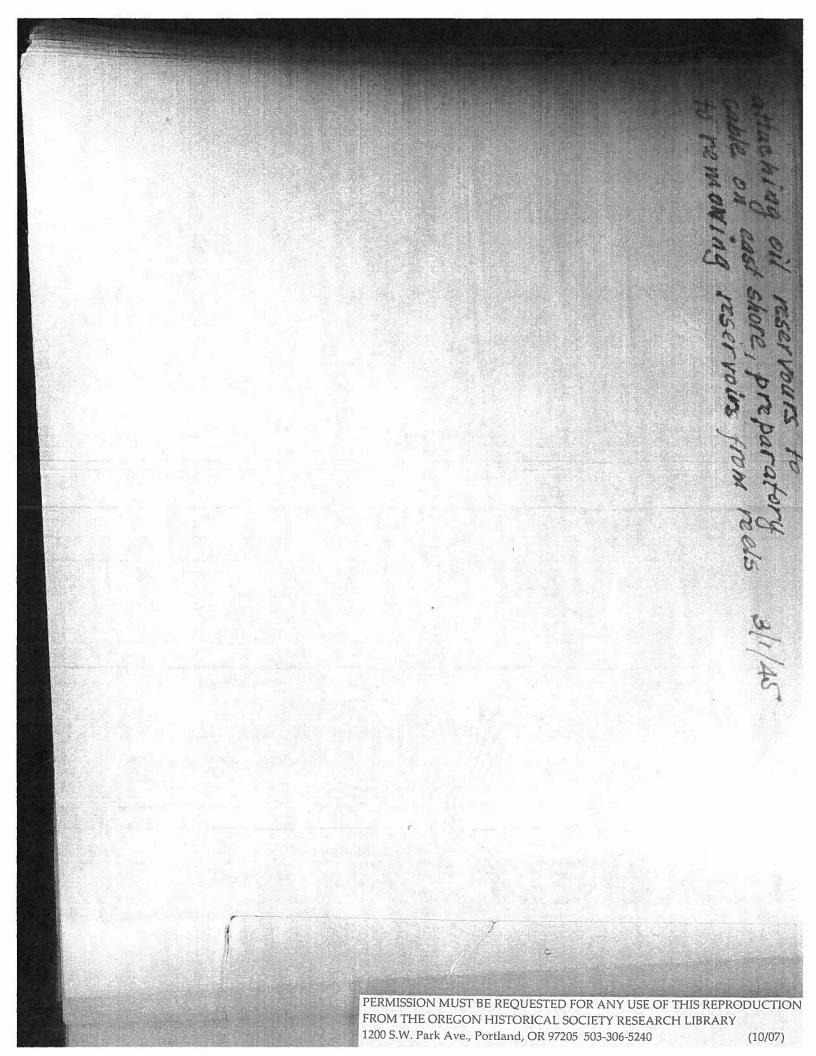
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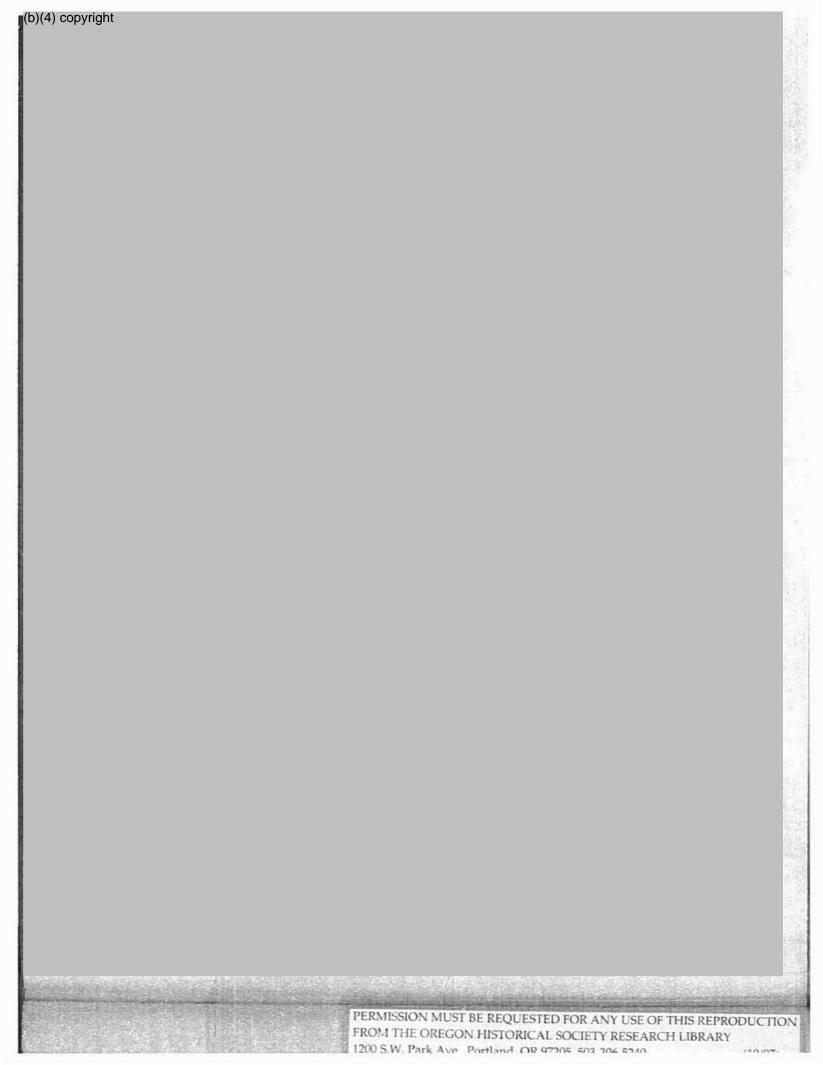
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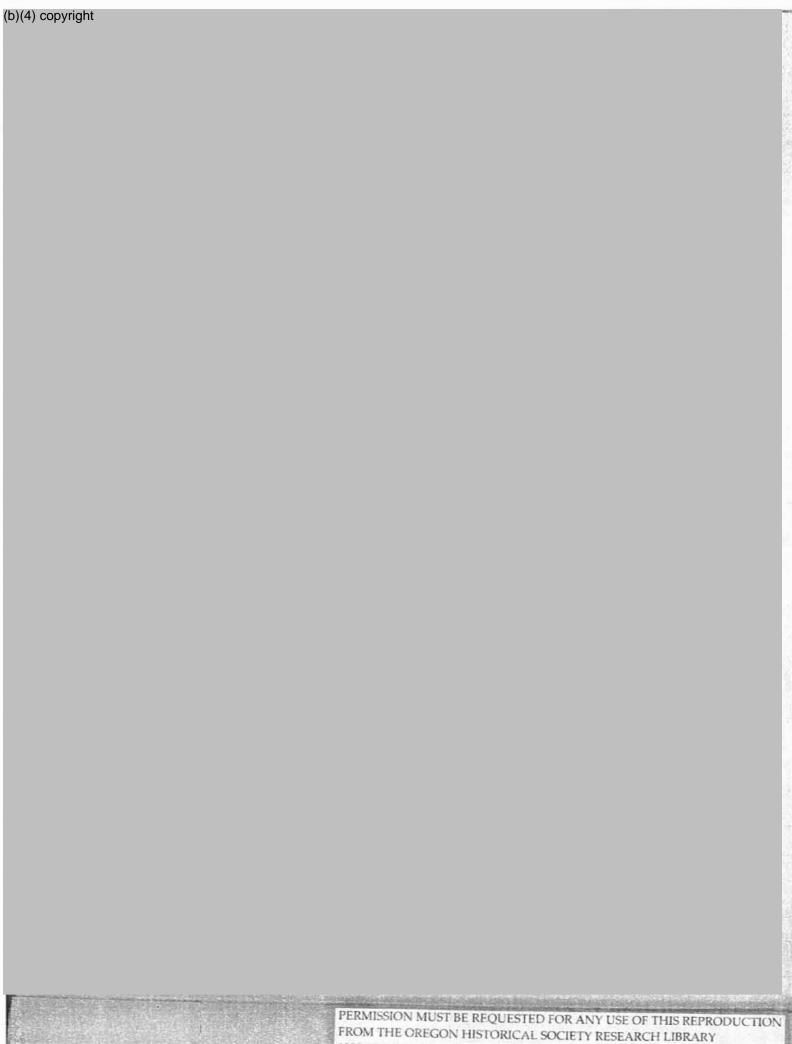


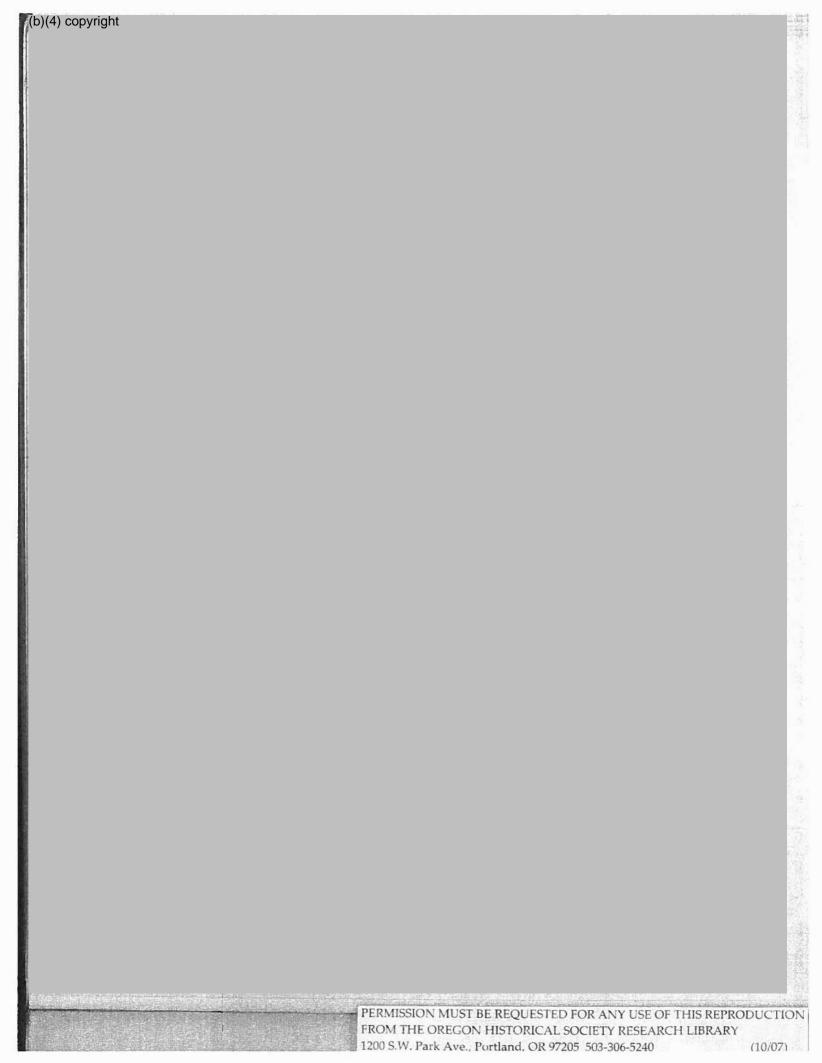




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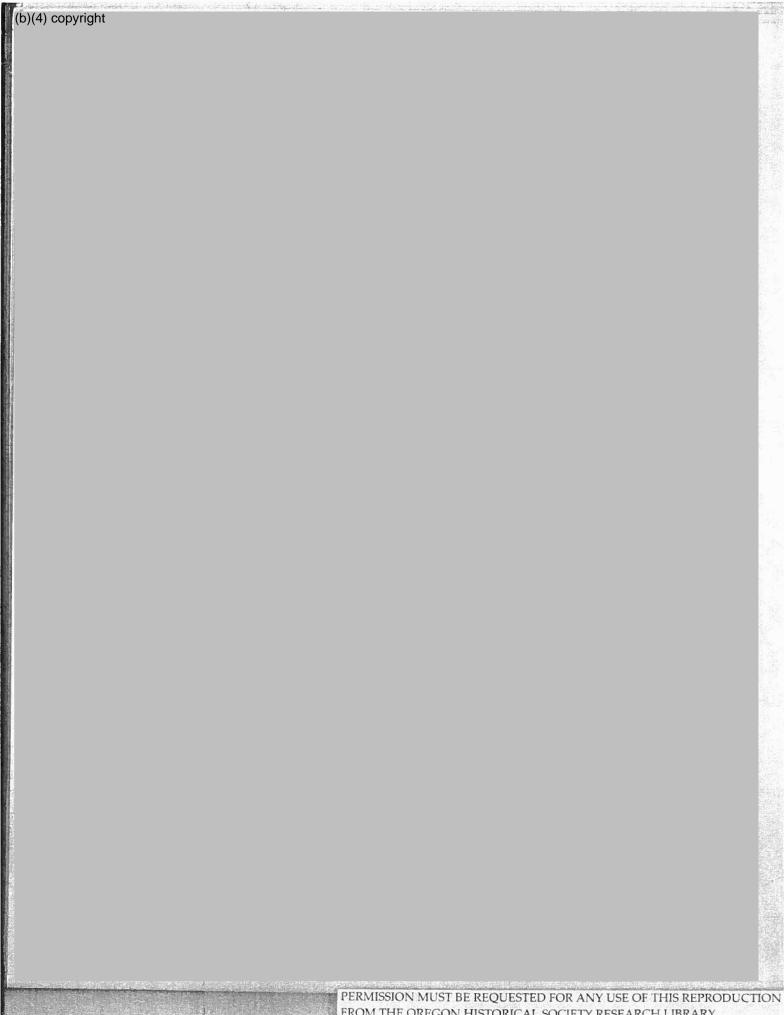
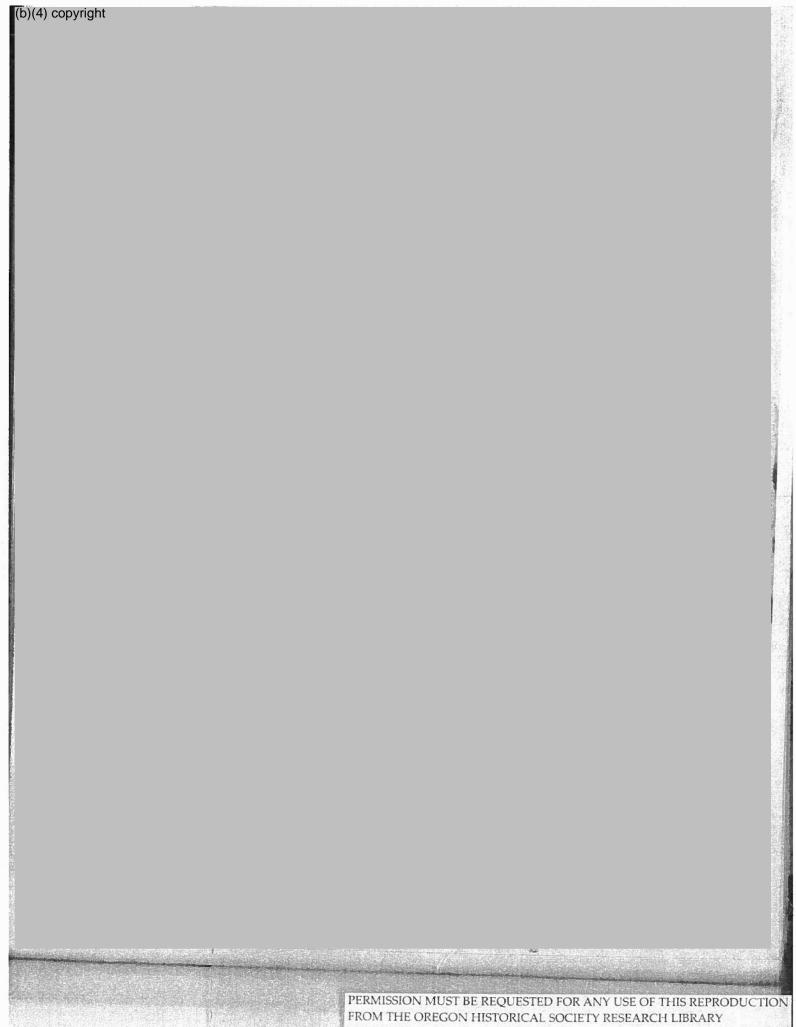
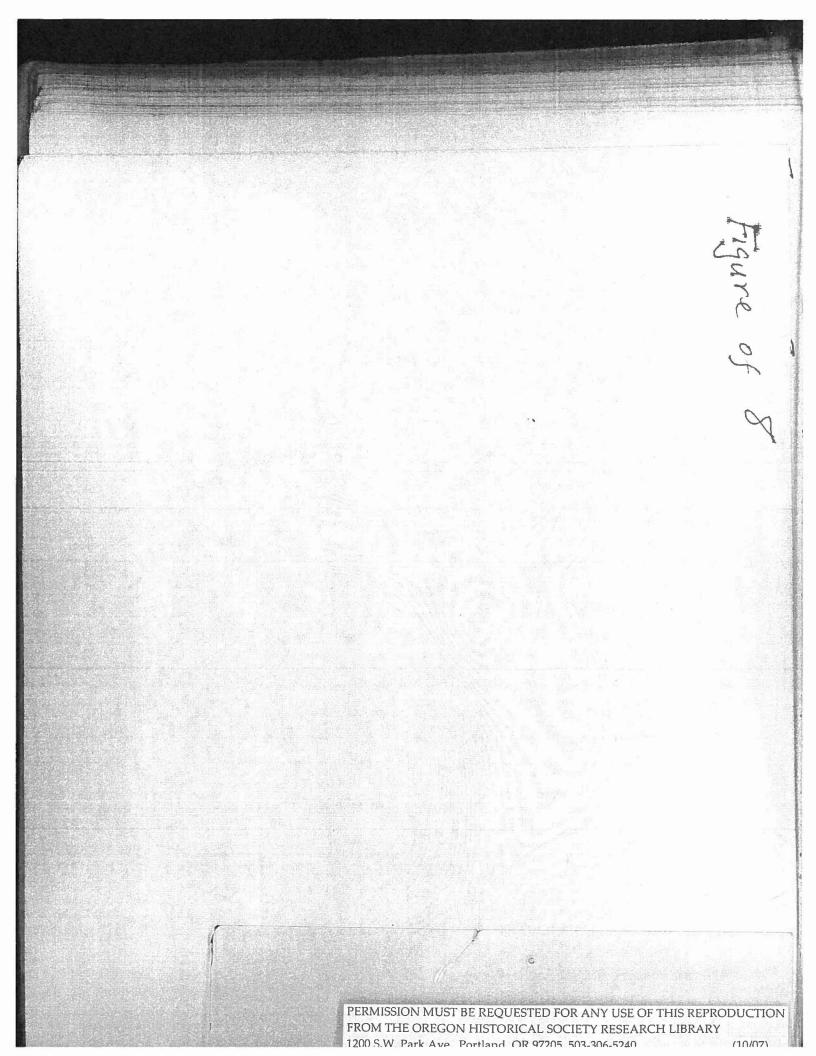
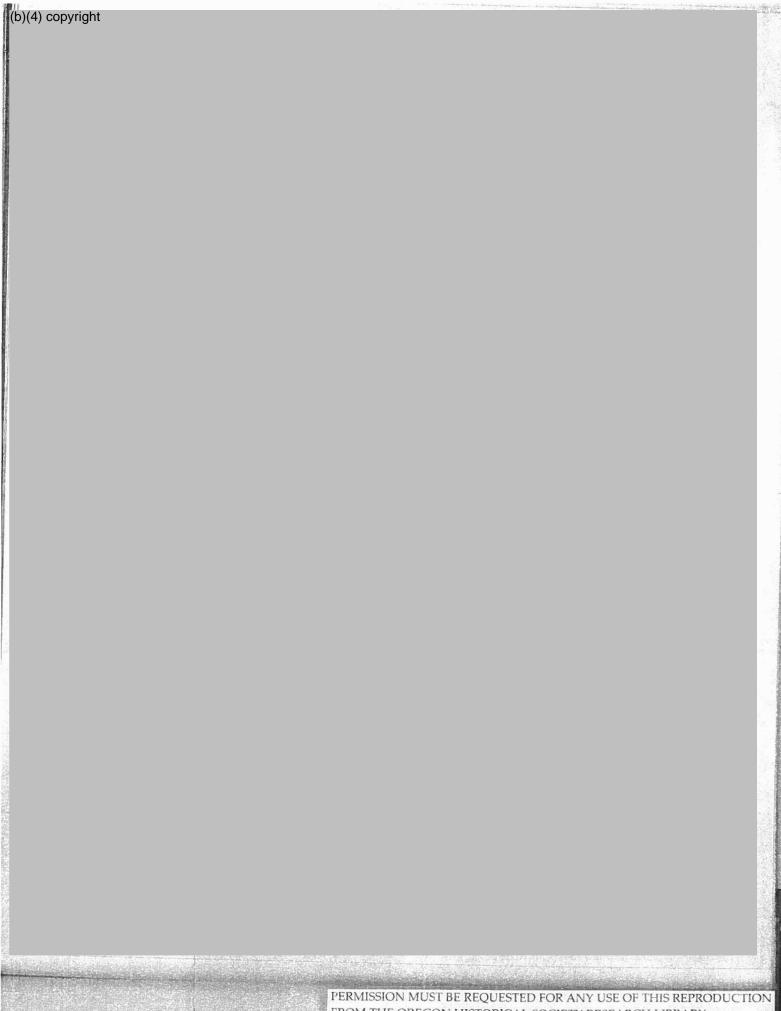


Figure of 8 for removing balance of cable on reed before pulling ashore PERMISSION MUST BE REQUESTED FOR ANY USE OF THIS REPRODUCTION

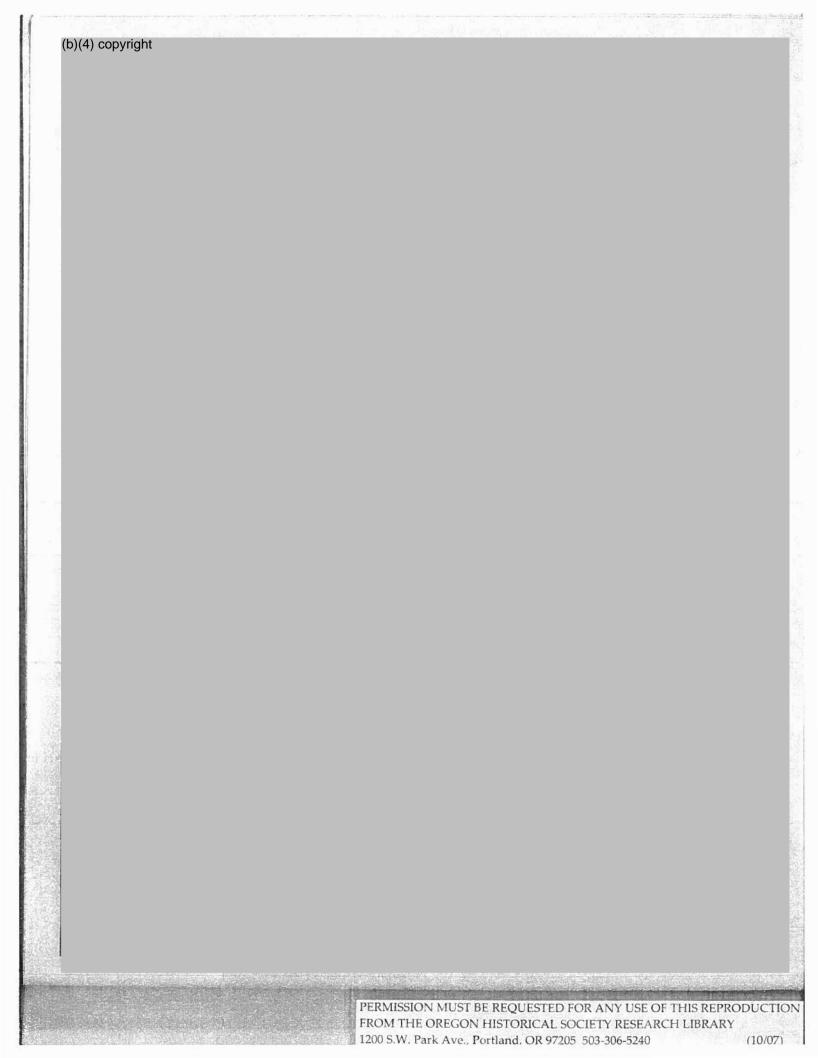
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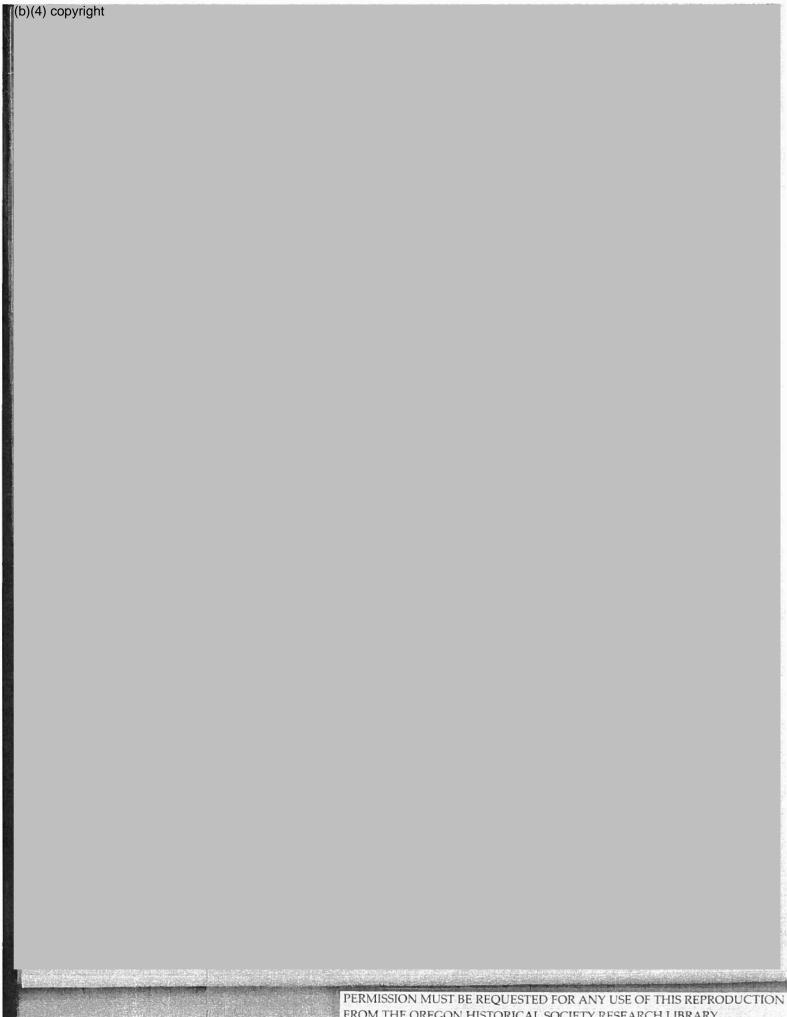




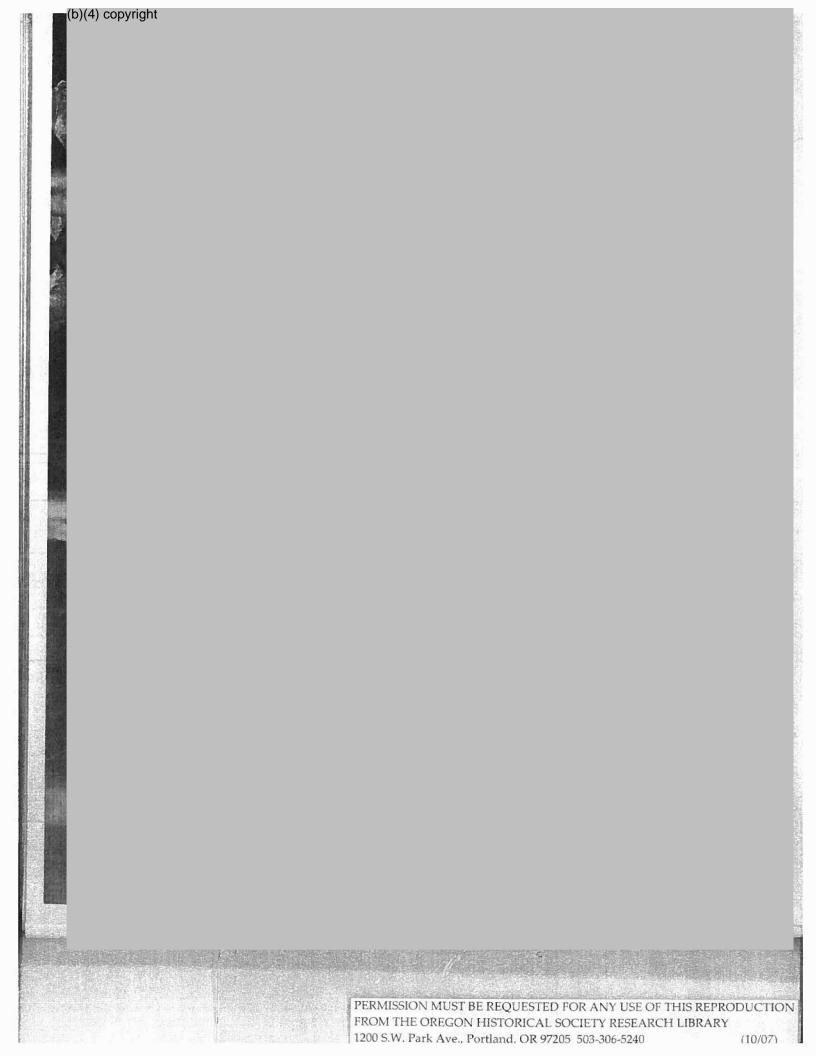
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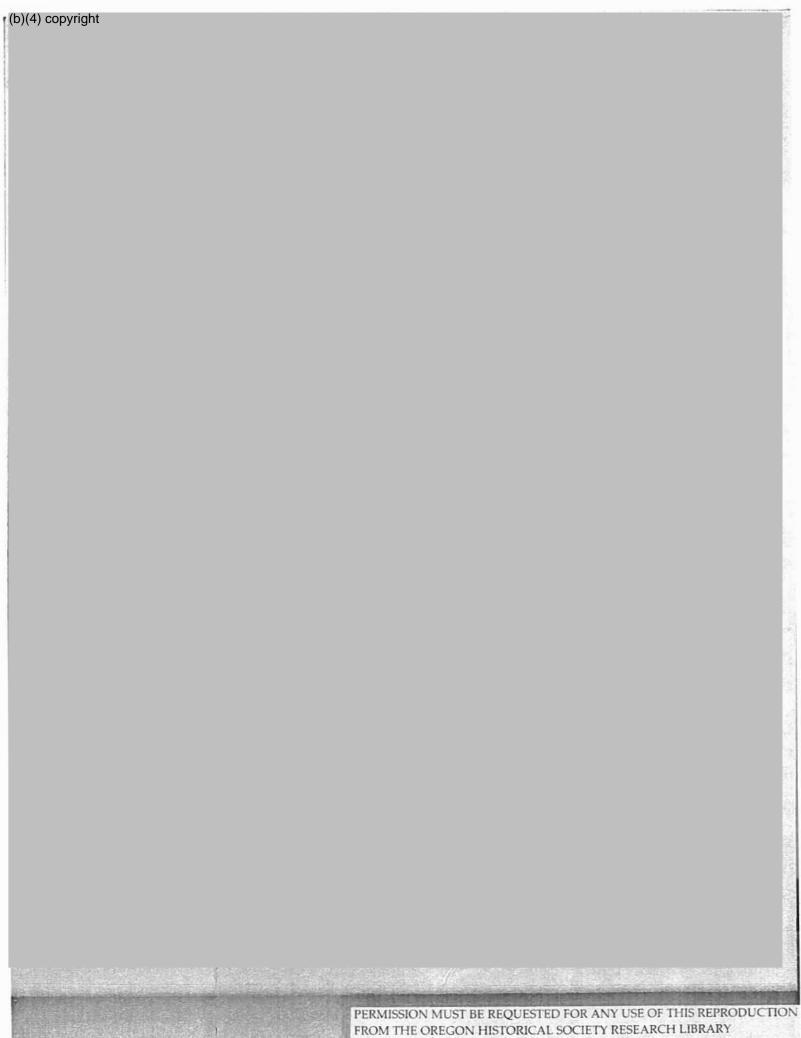


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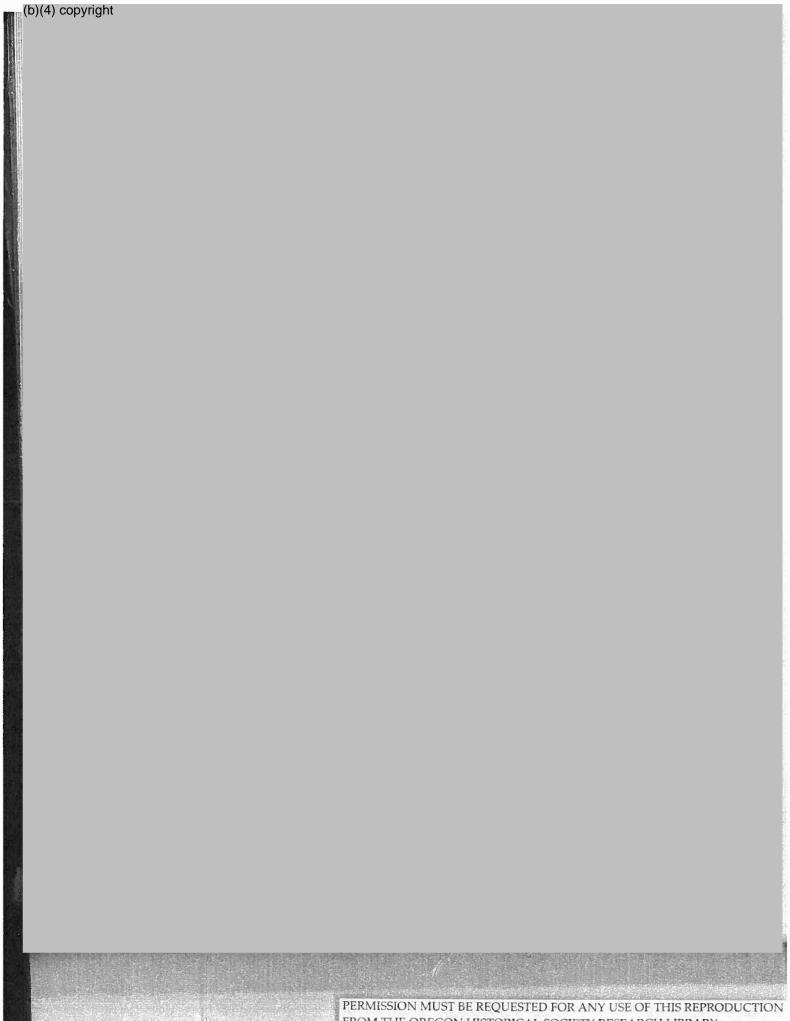


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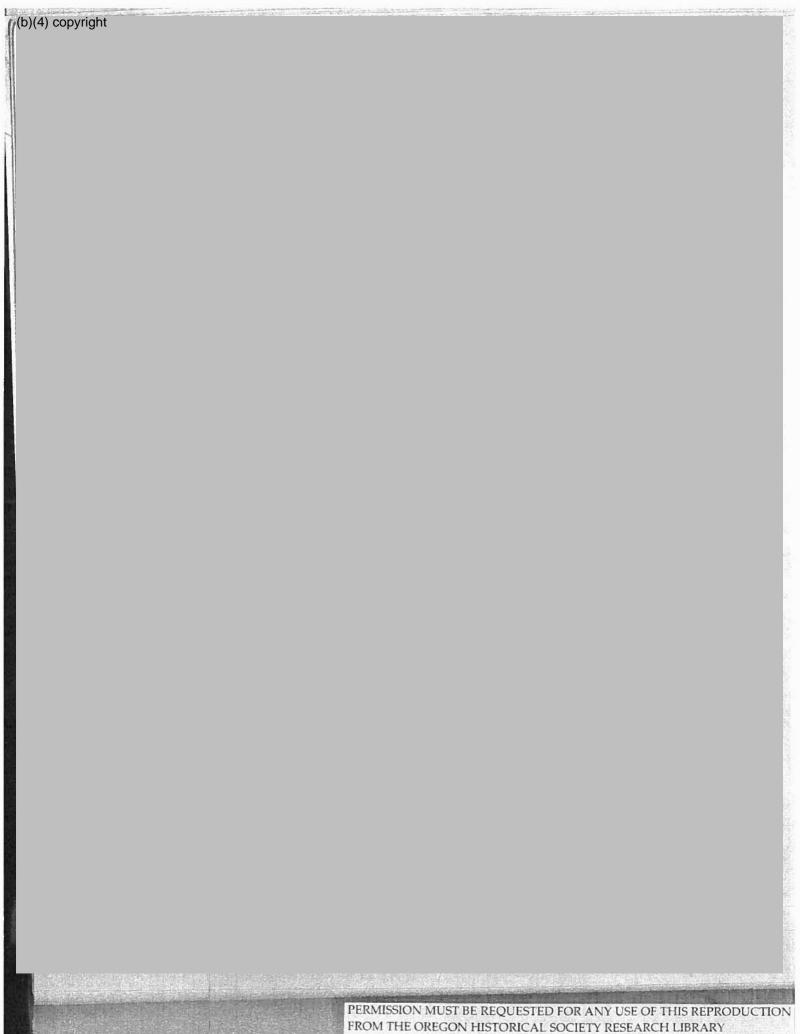
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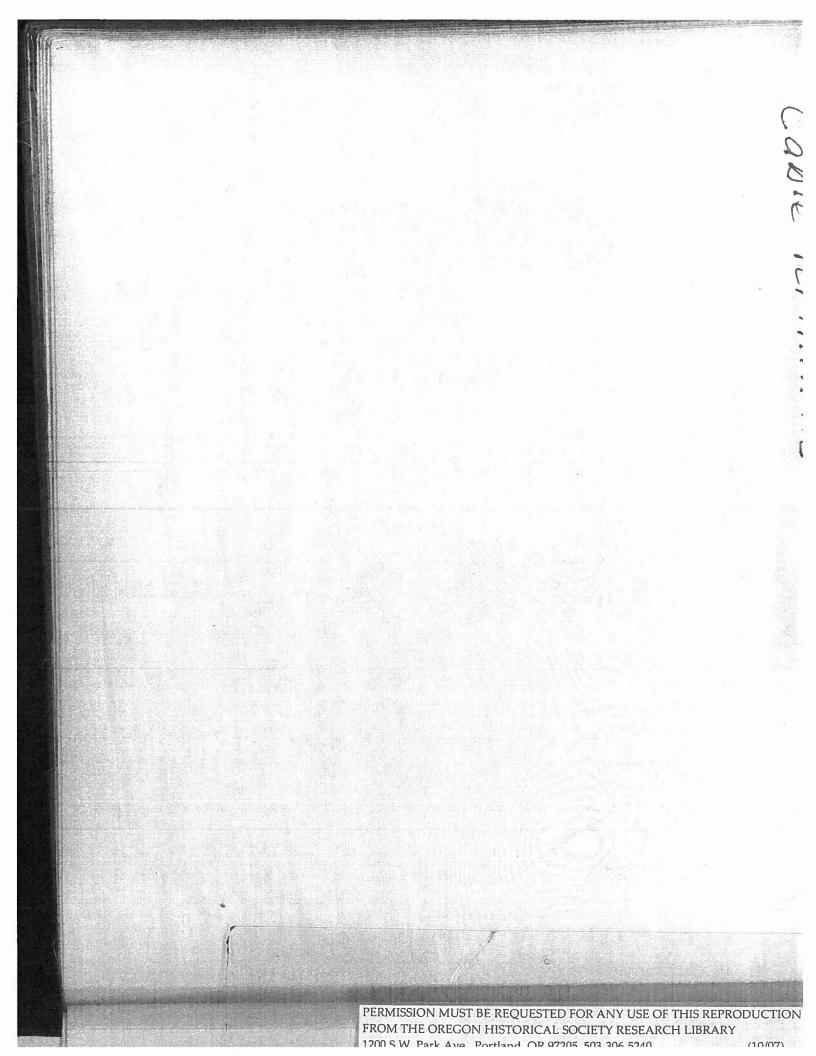
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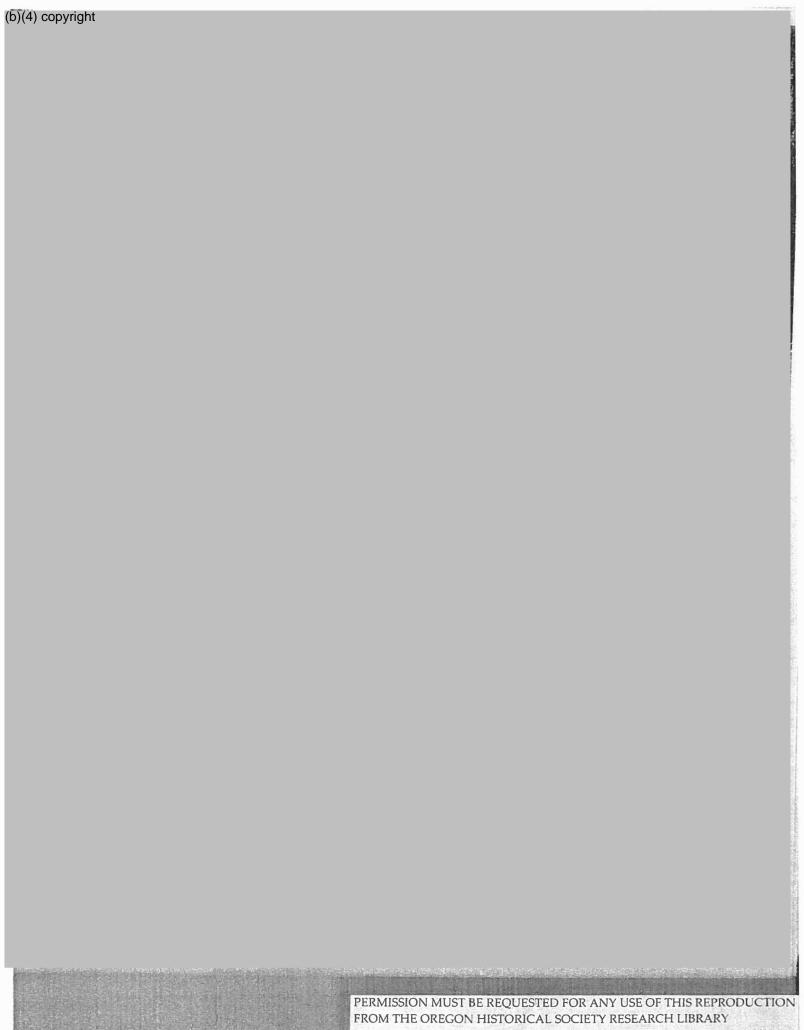
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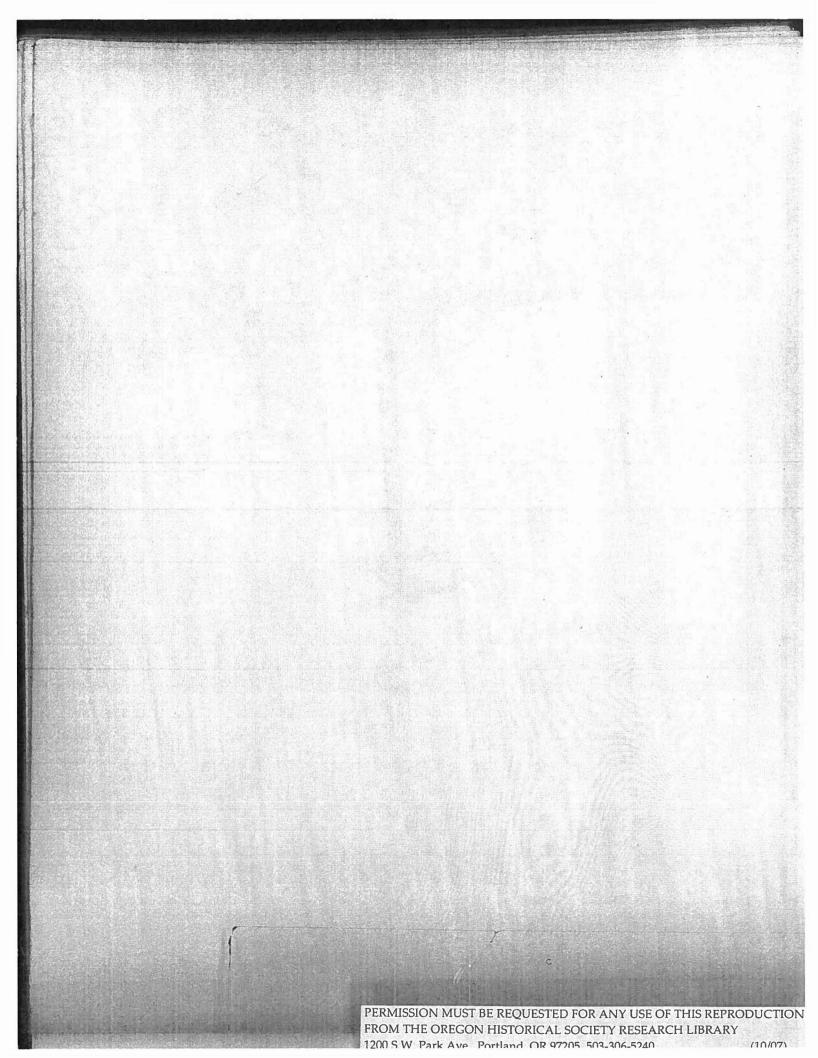
Completed cable end before treading into Terminal

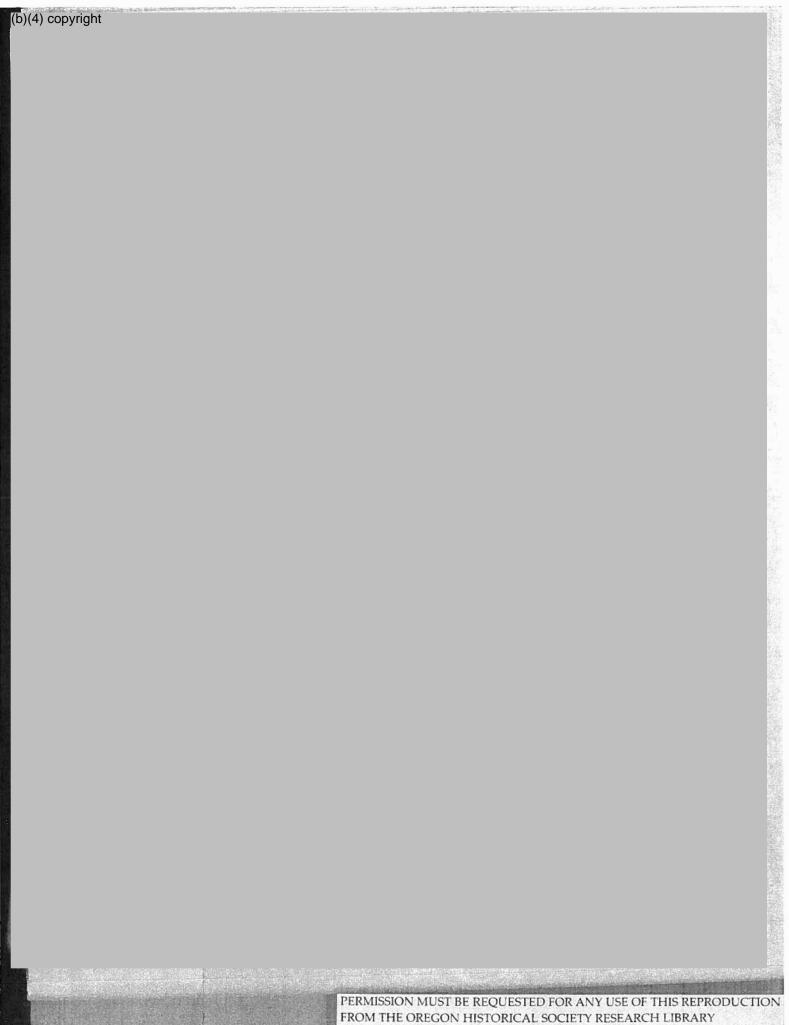


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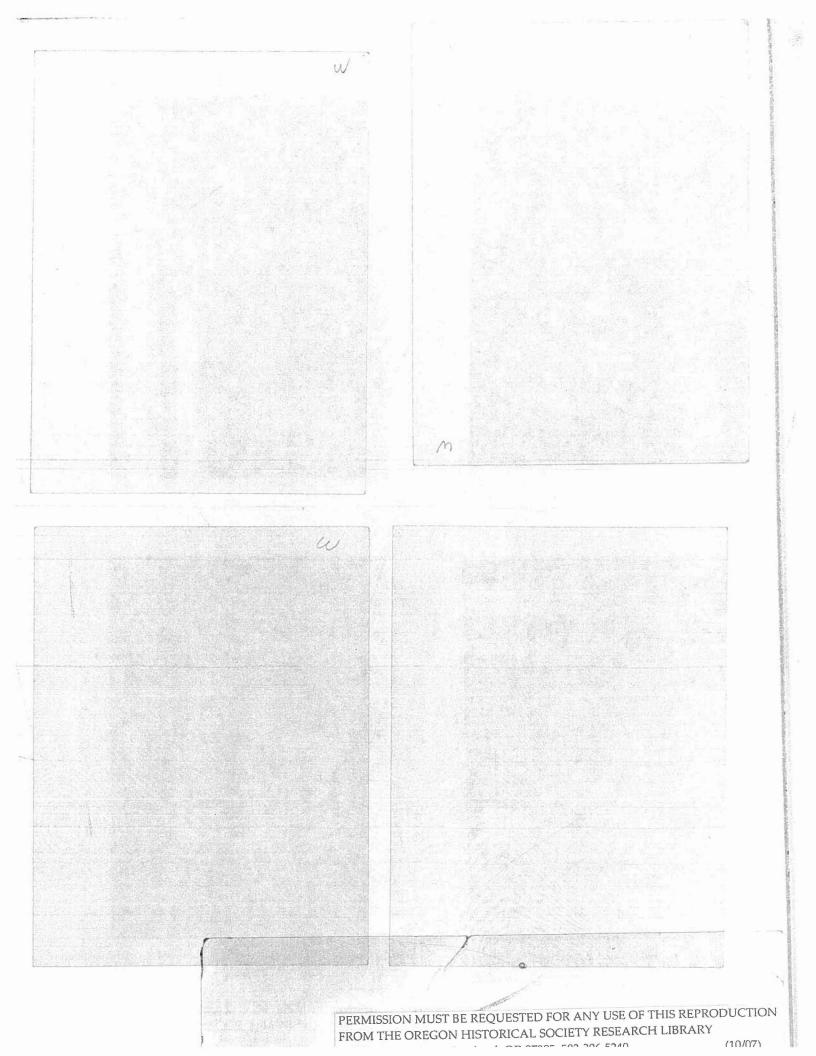
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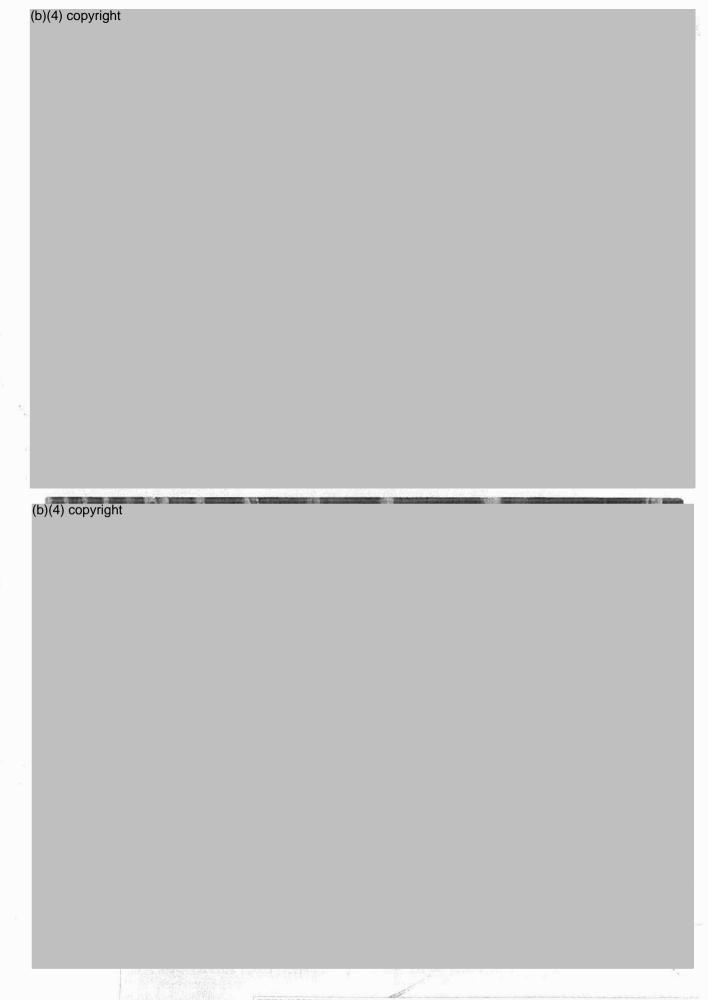
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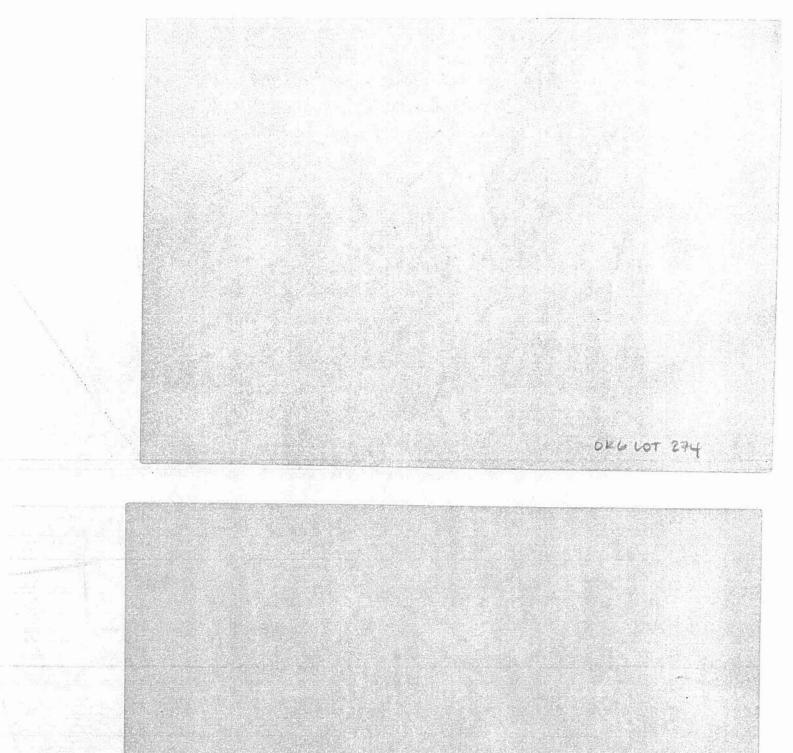
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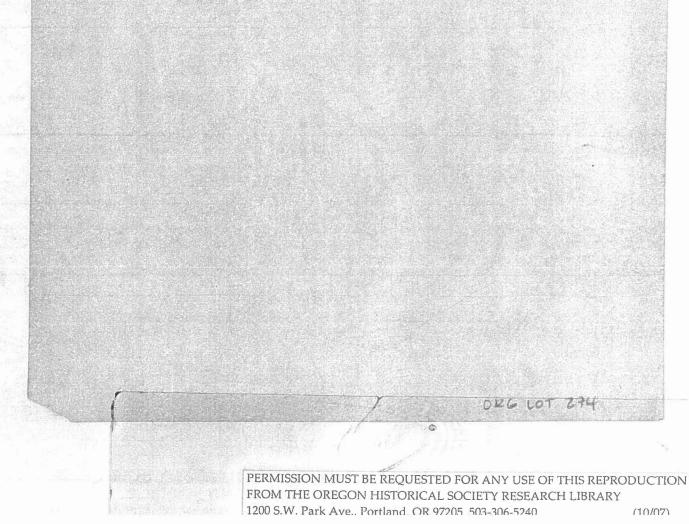
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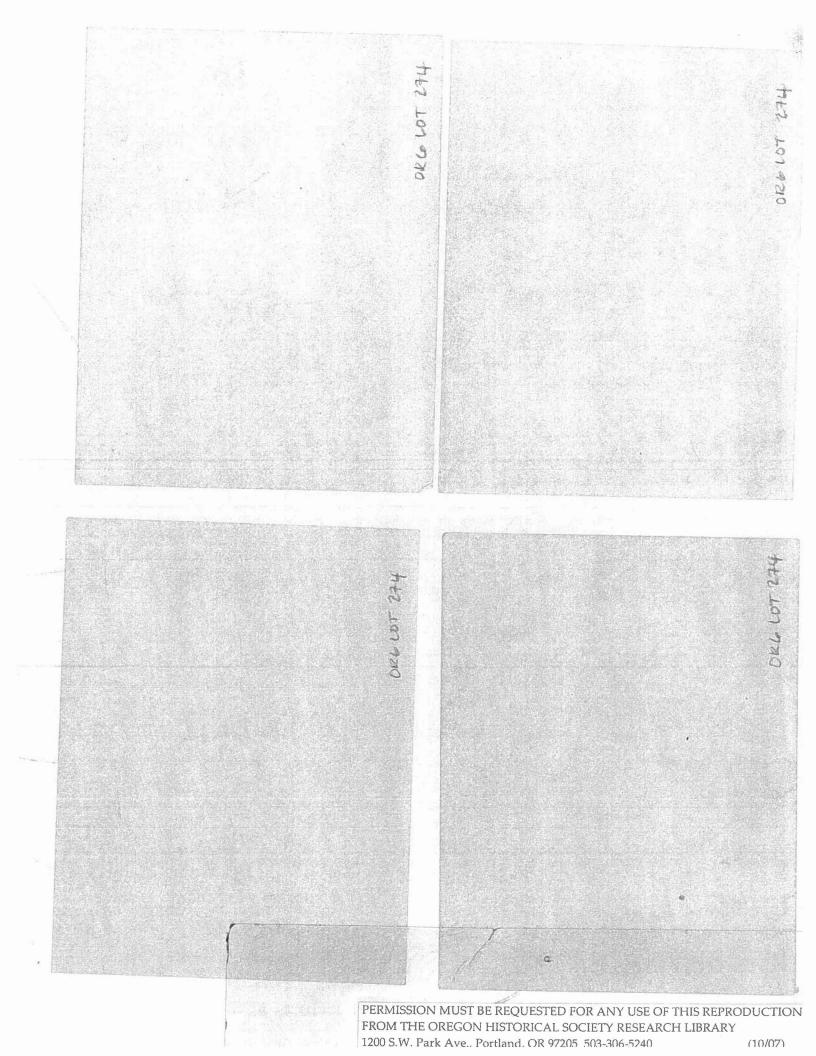
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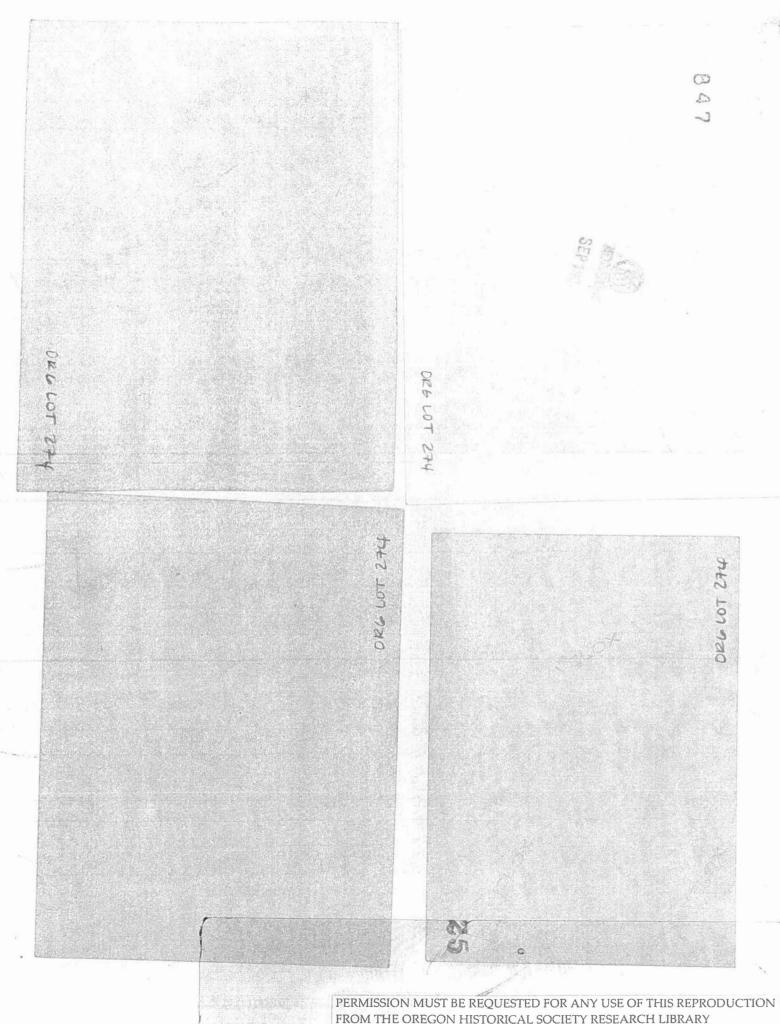




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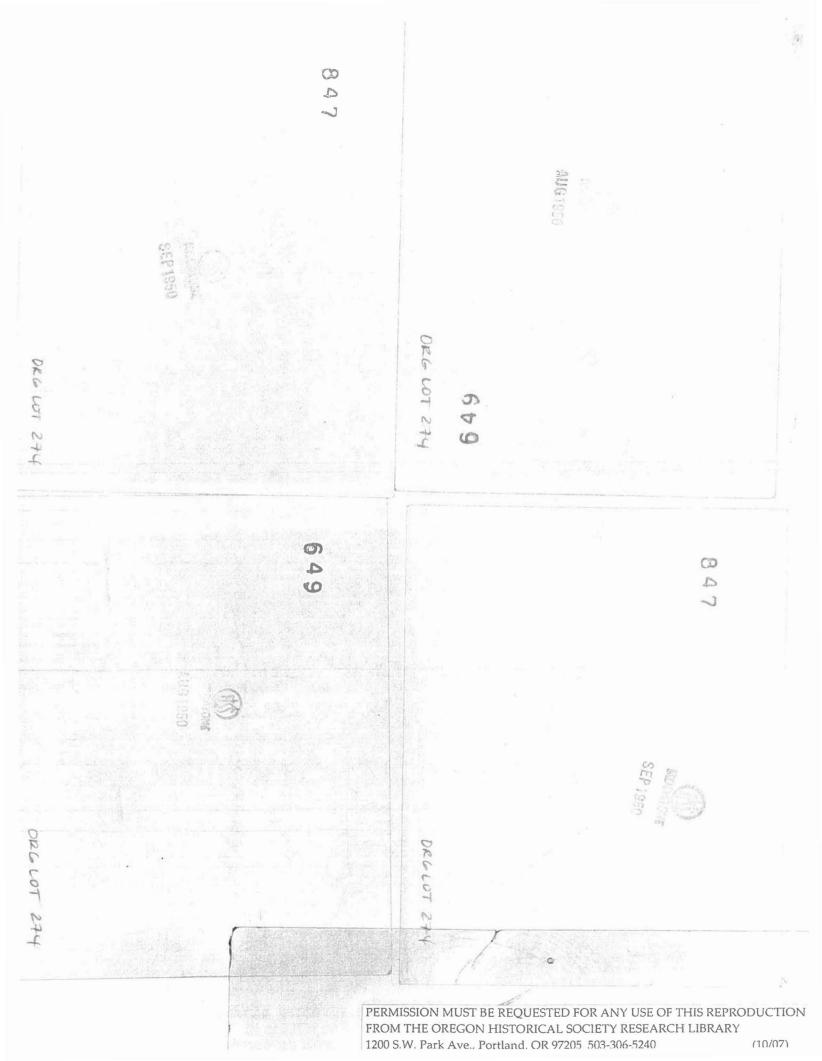
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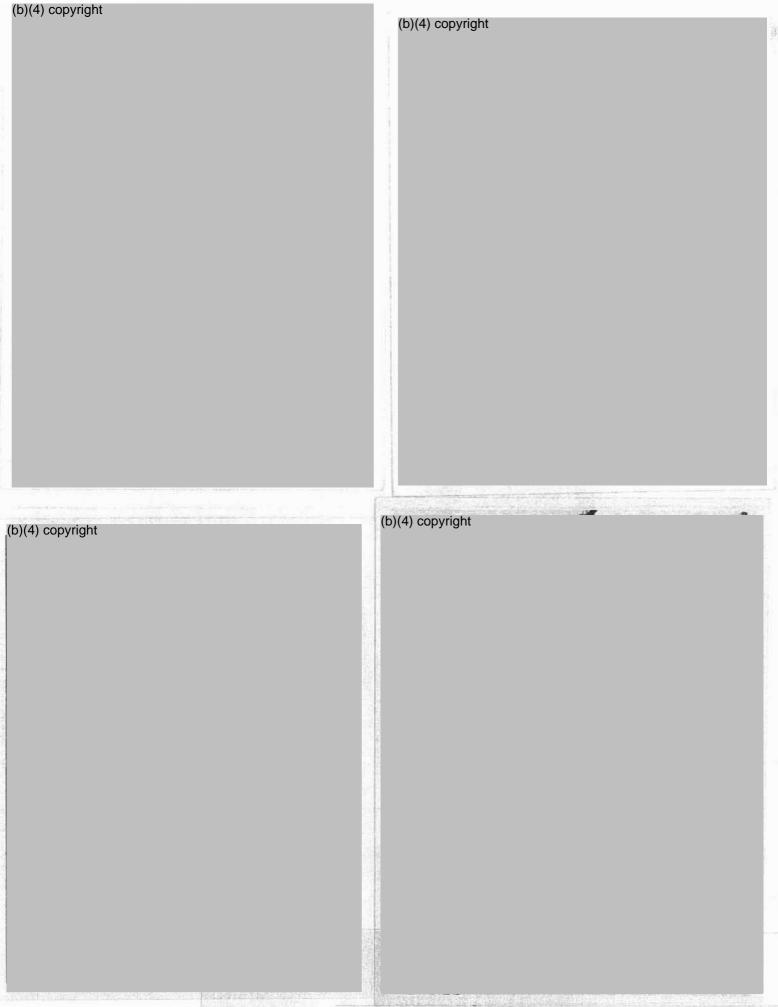


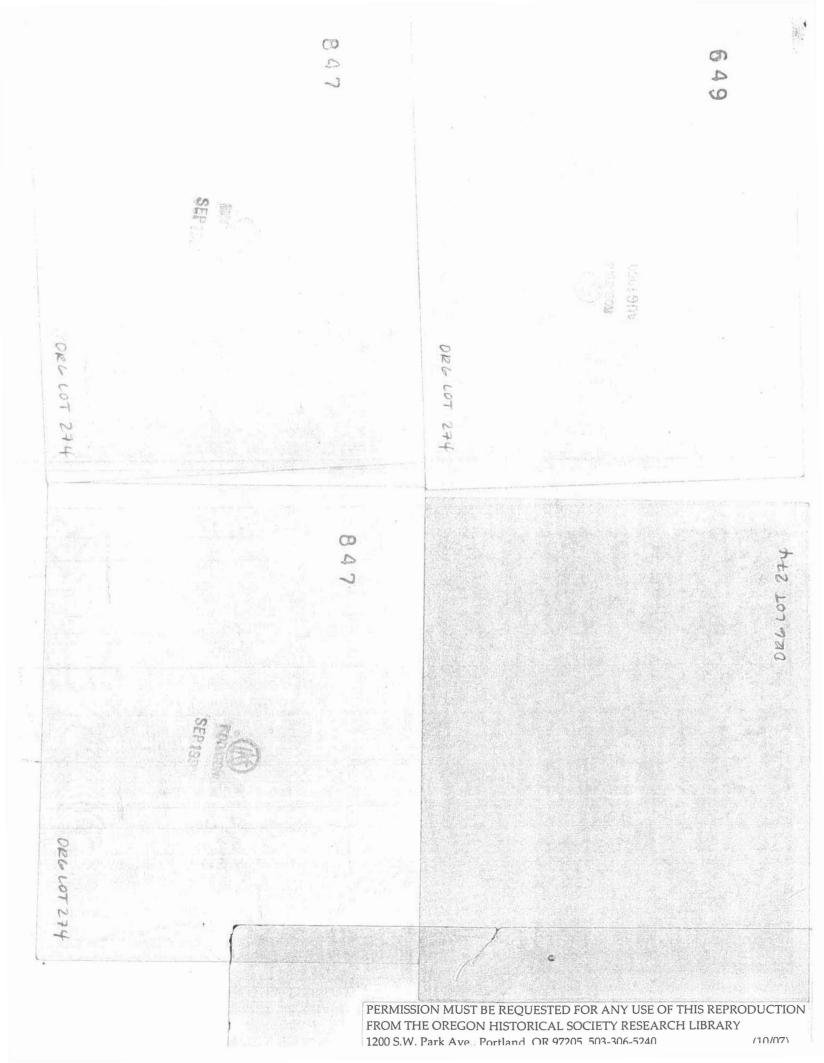
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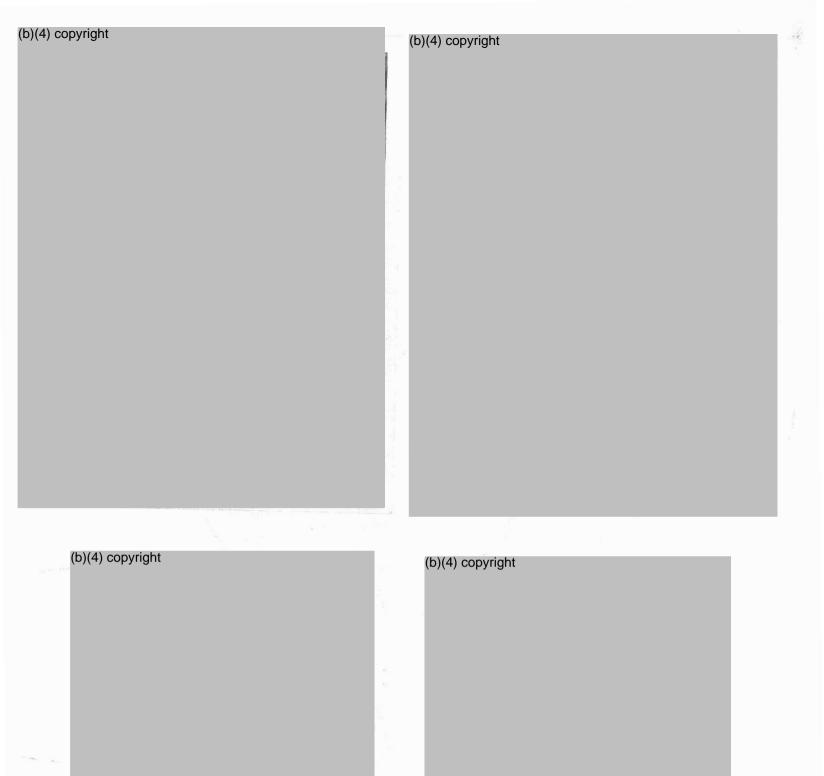
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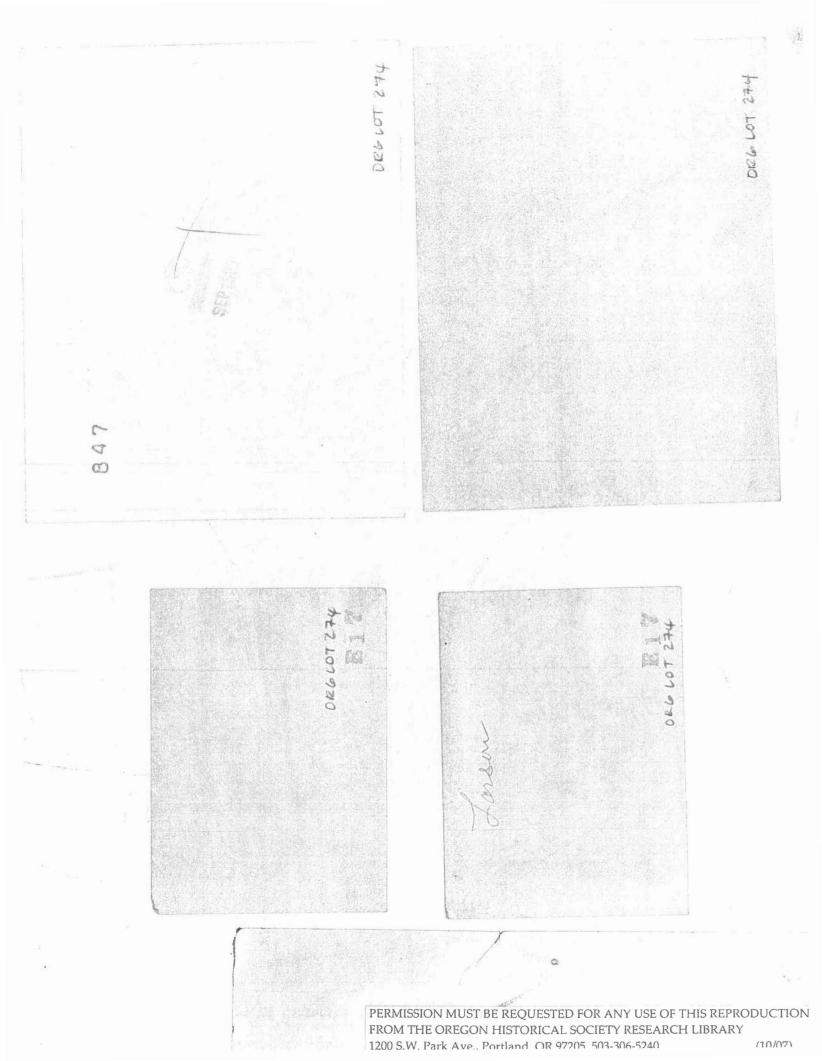
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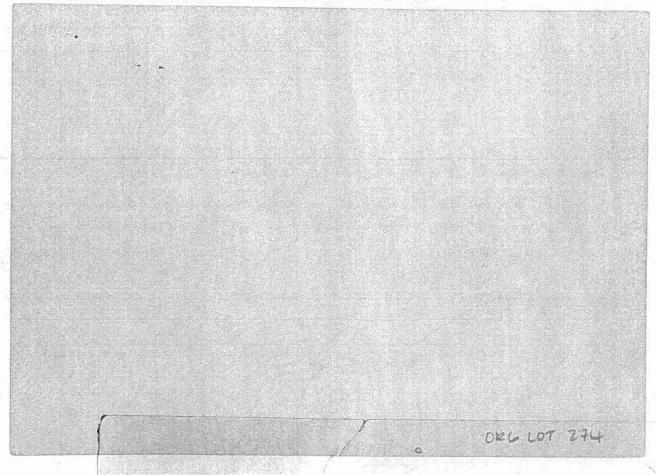




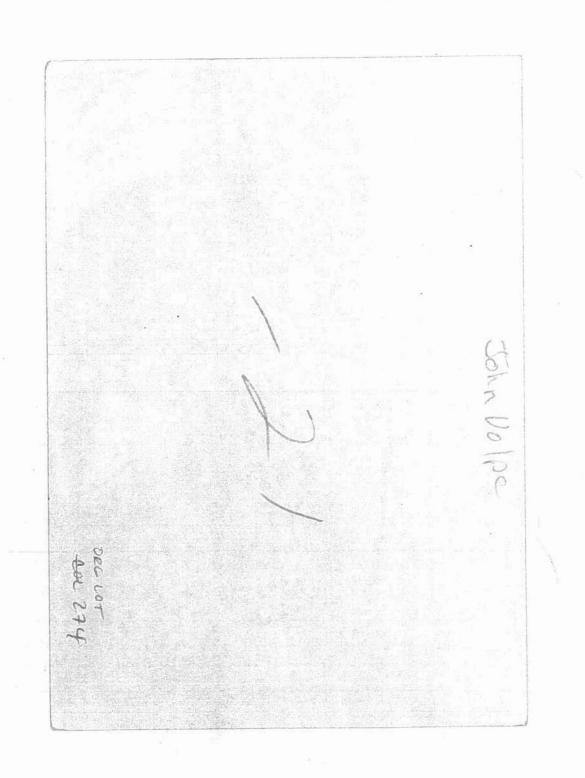


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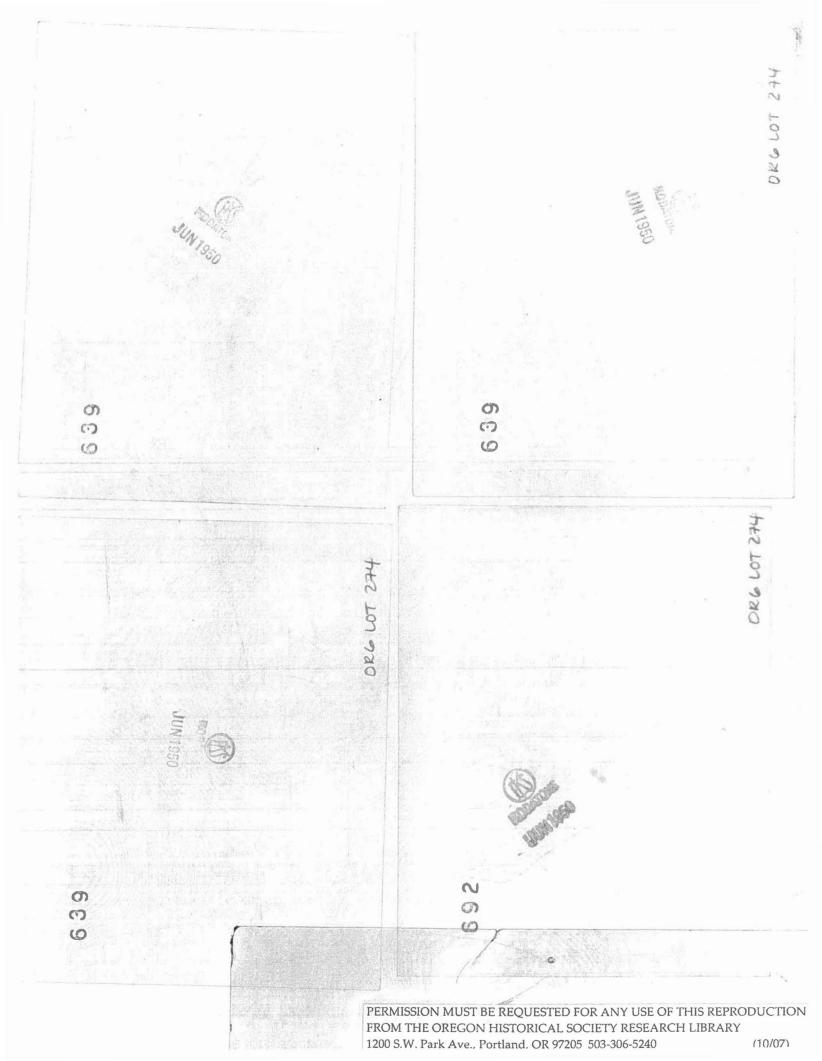
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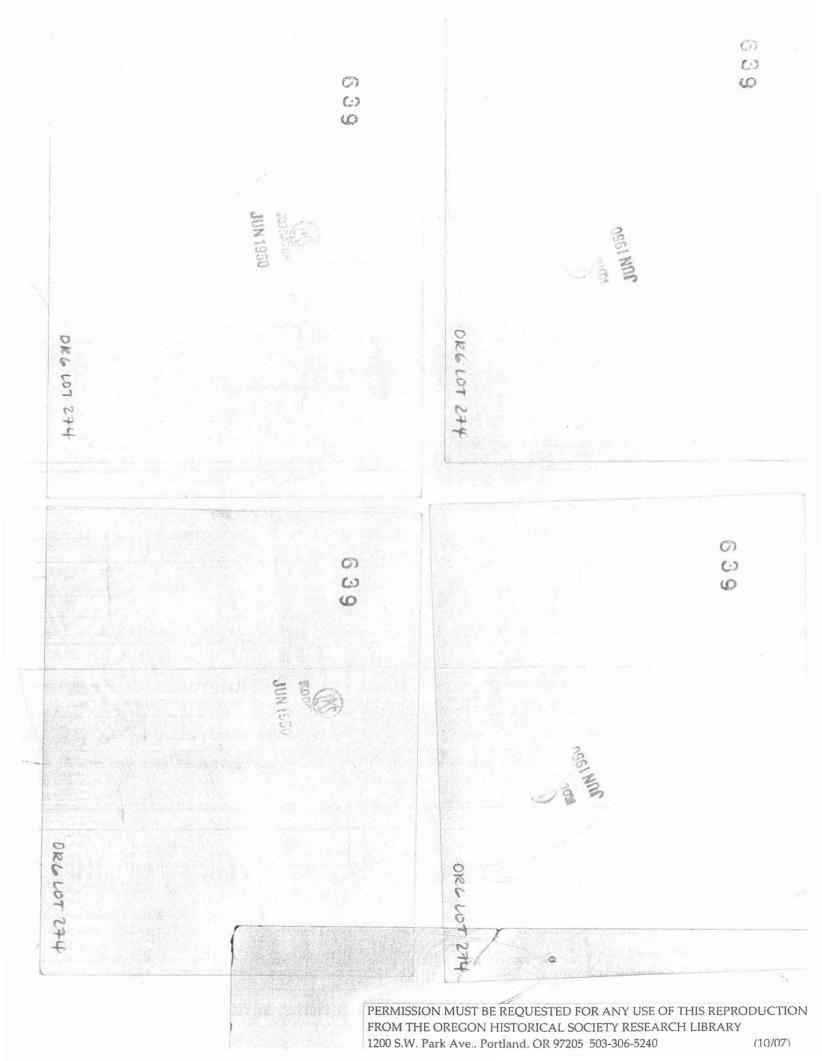
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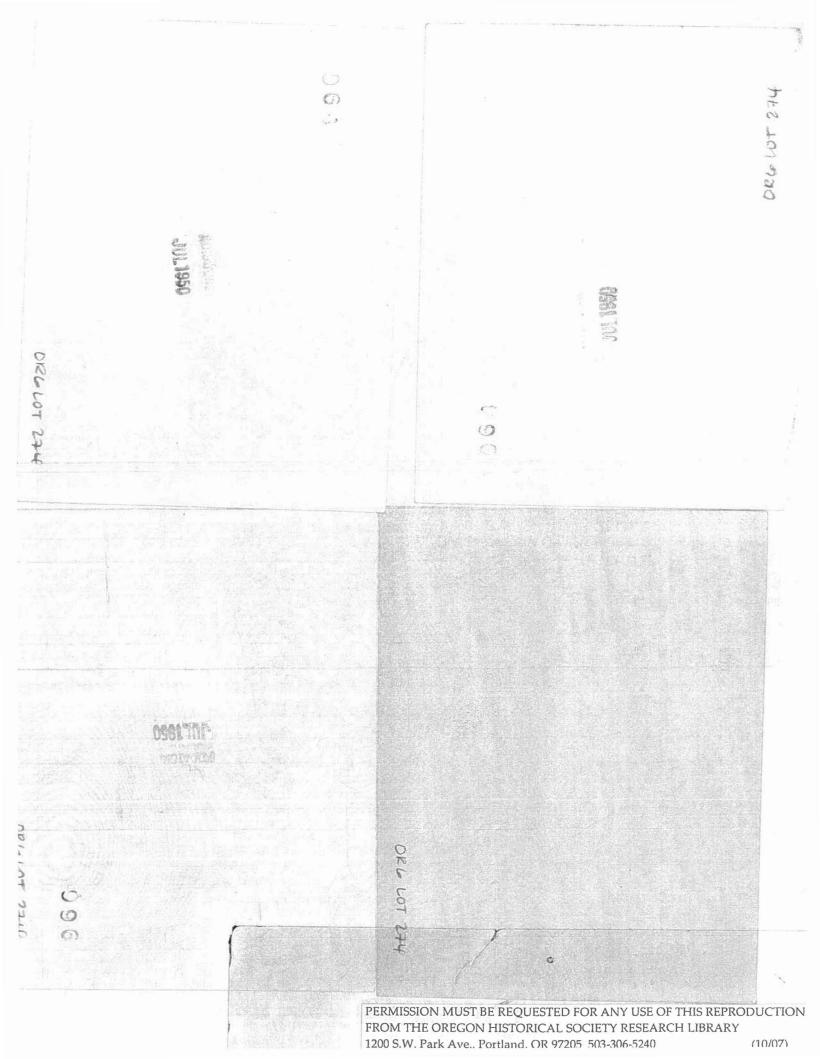
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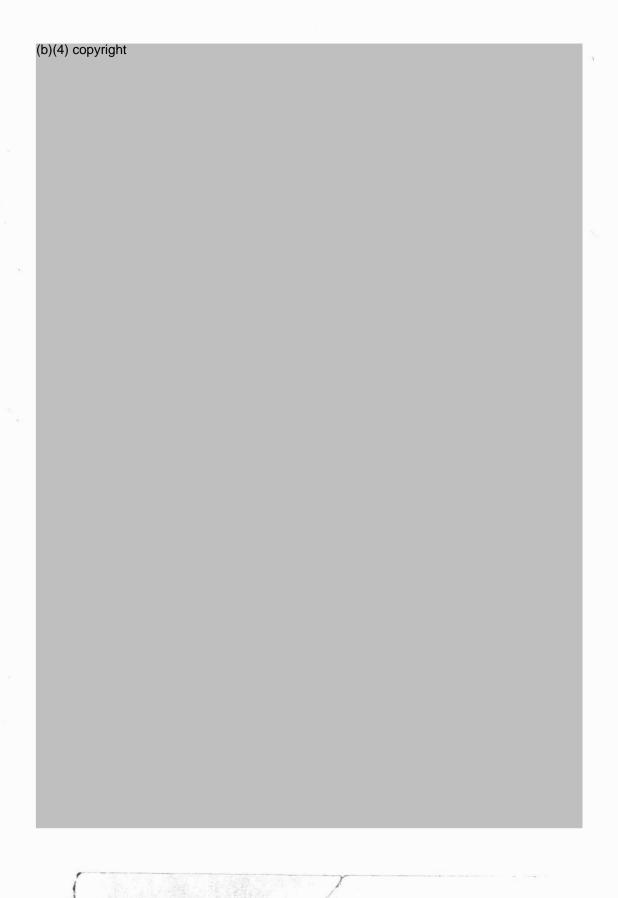
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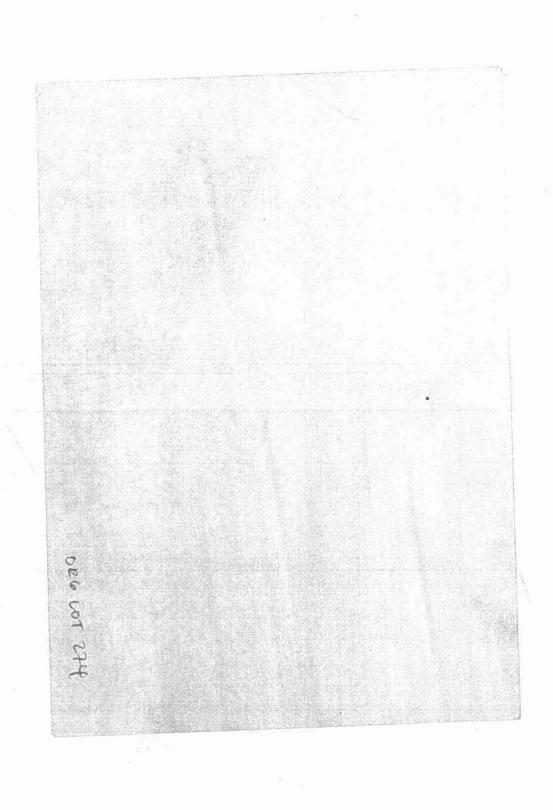
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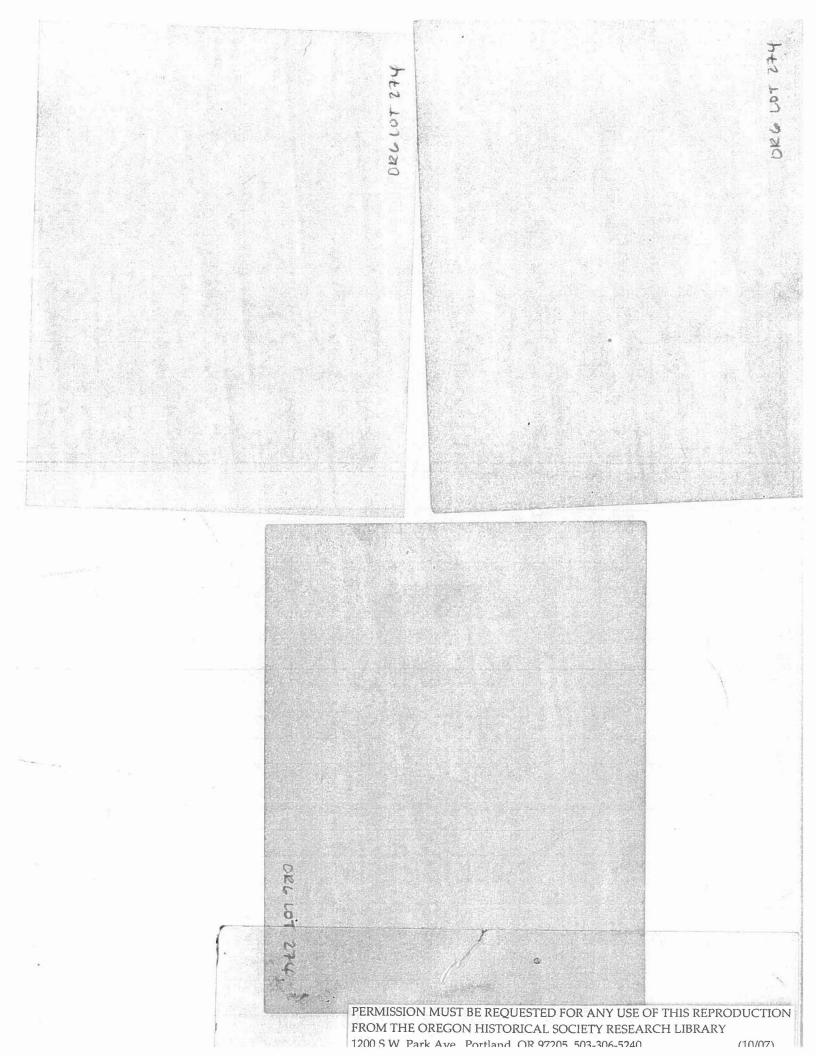
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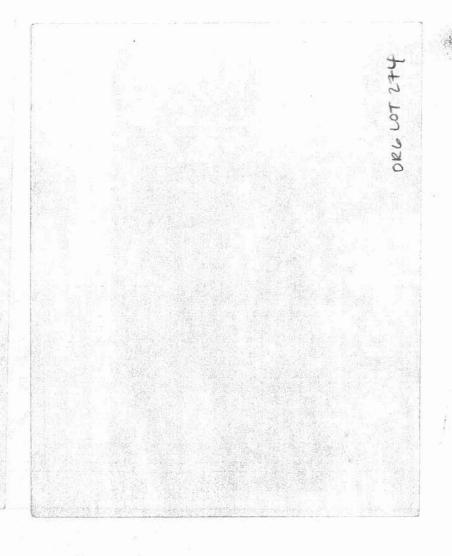


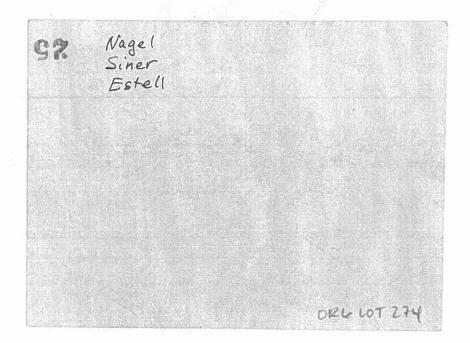
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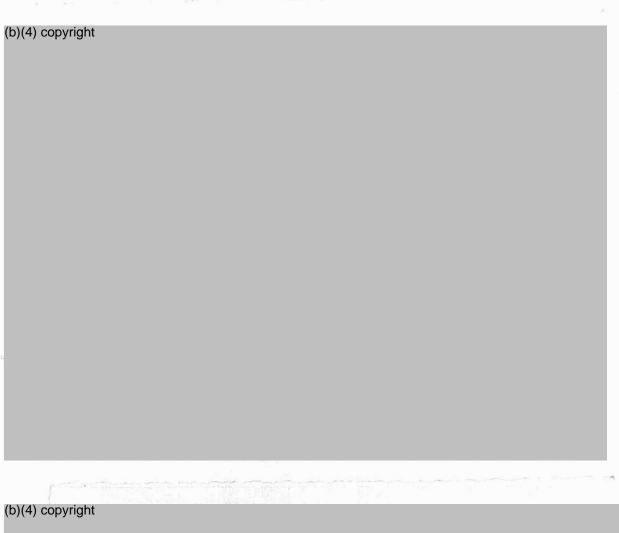
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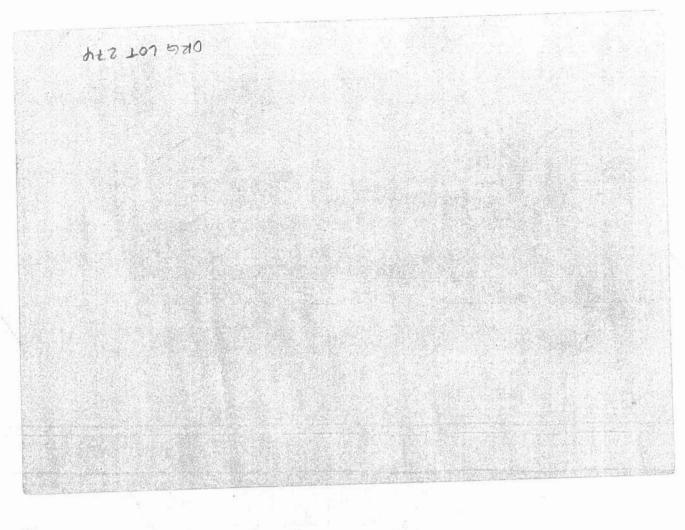


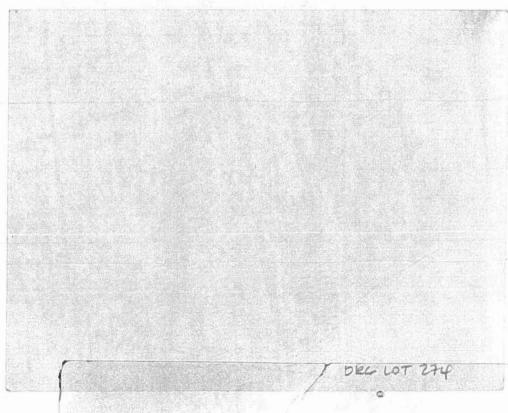
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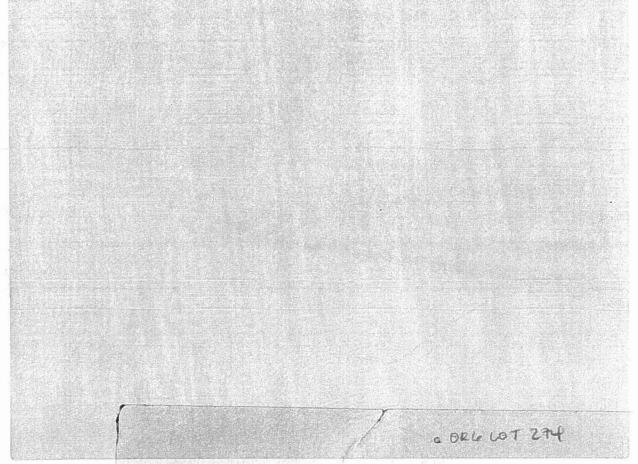


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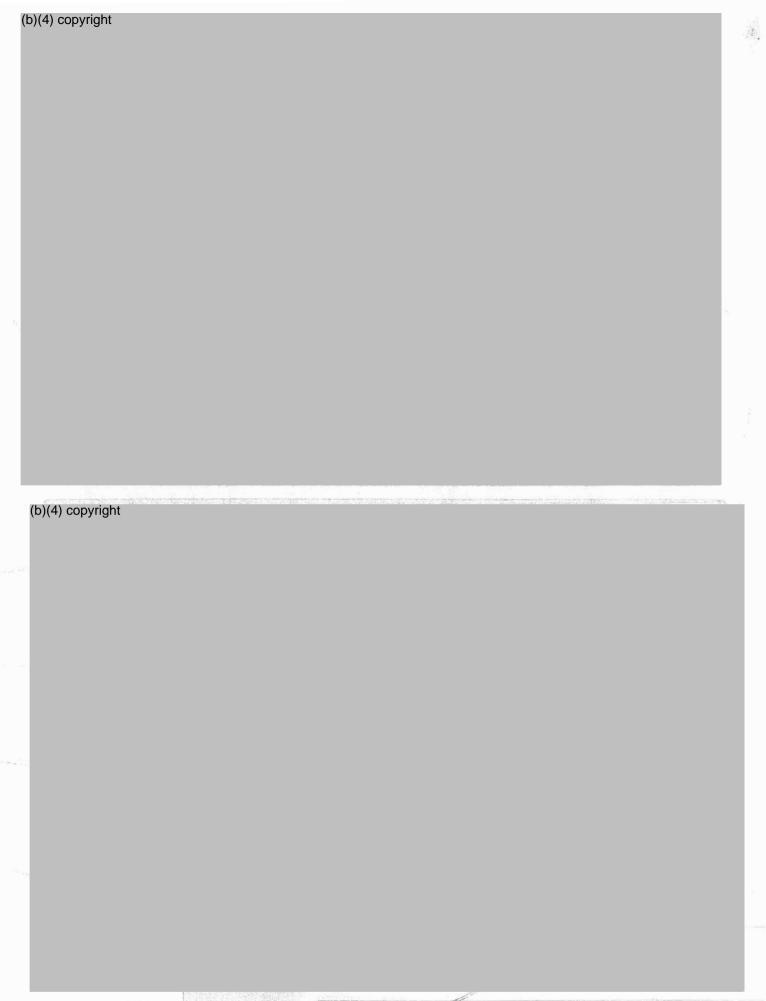
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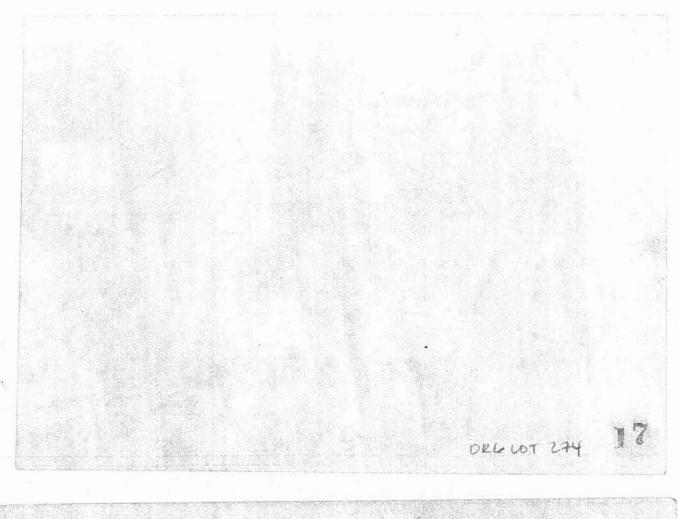
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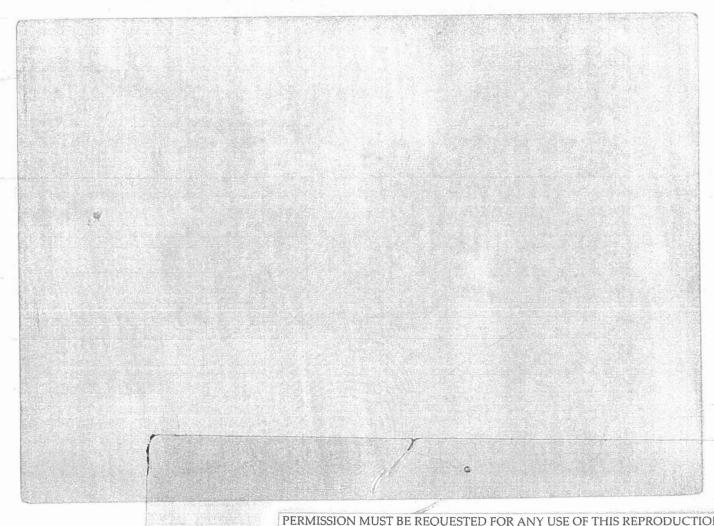
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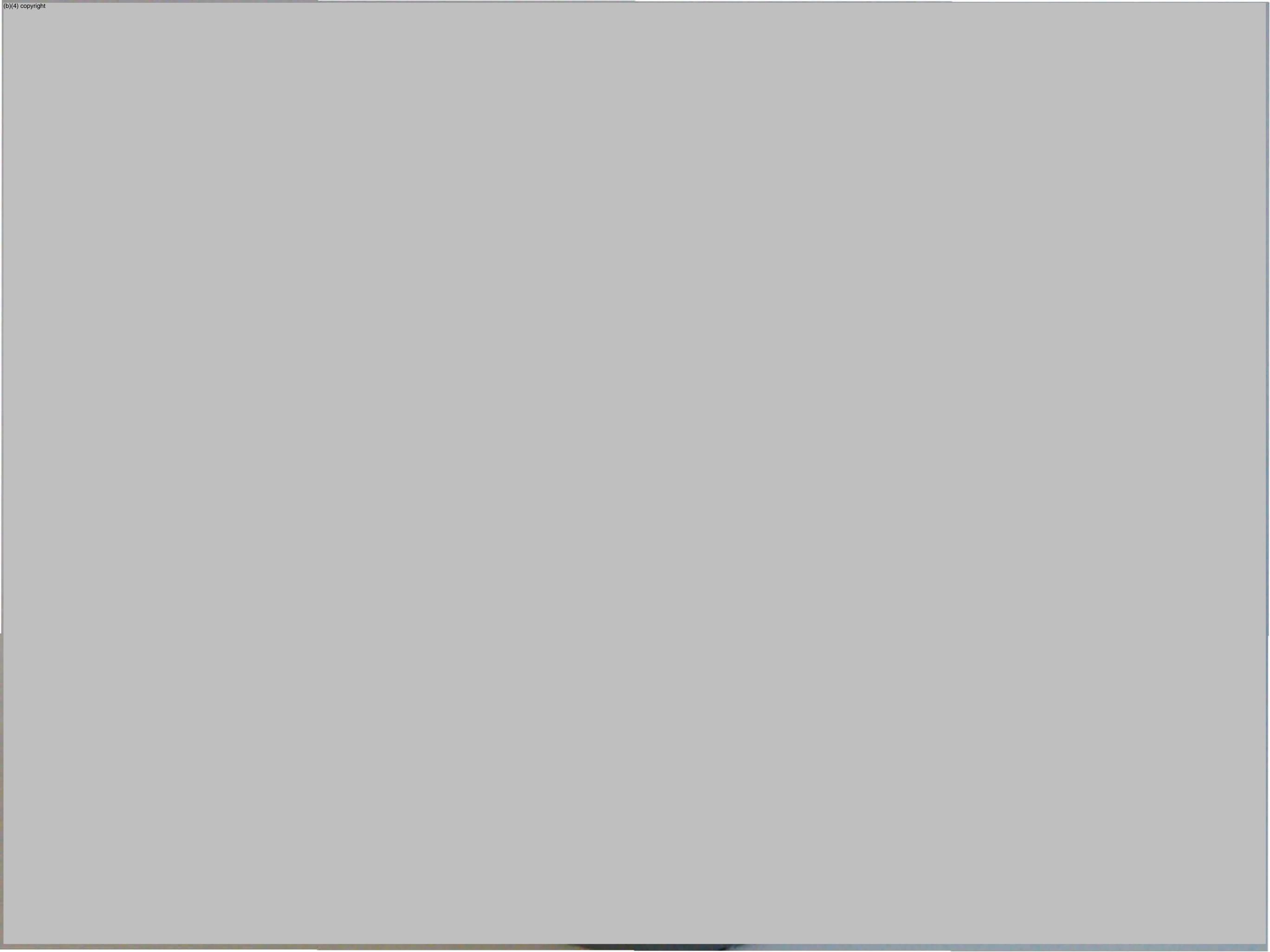
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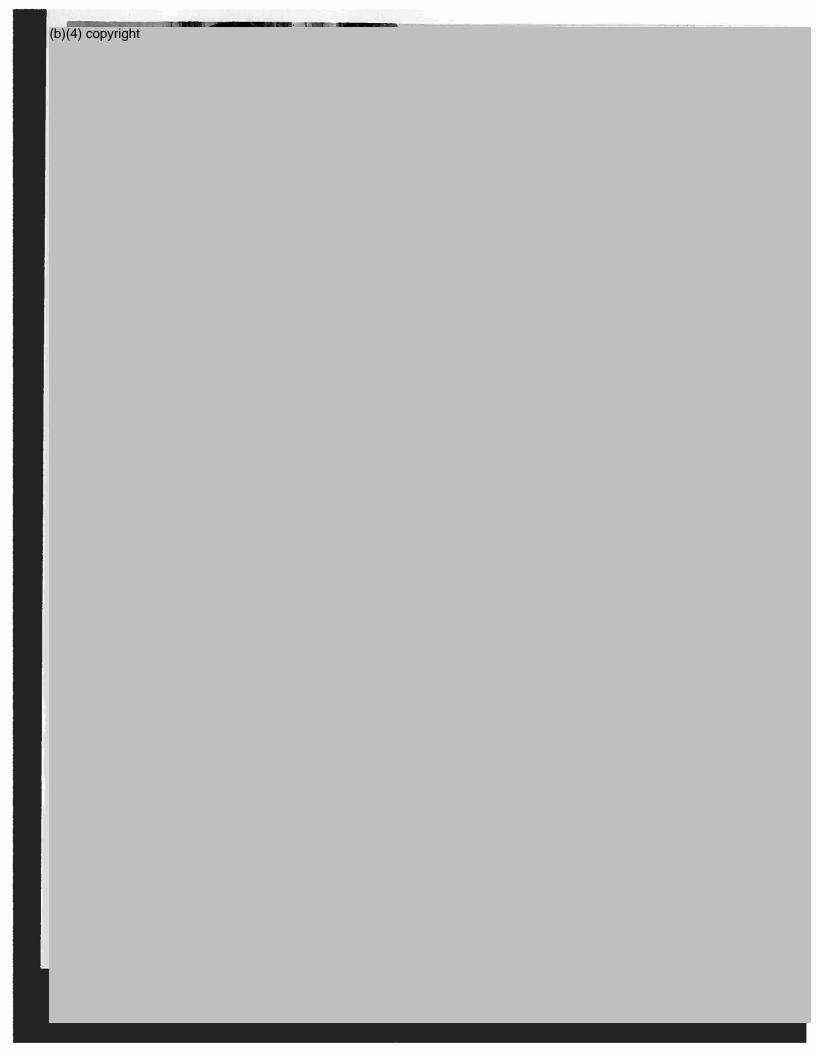


PORTLAND GENERAL ELECTRIC COMPANY CABLE

3/C, 500,000 CM (61x.0905") Okoloy, Semicon, 24/64" Okonite (30% Para Rubber), Tape, Paper Tape, .005" Tinned Copper Tape, cabled, Tape, 9/64" Lead, #4 Armor, Jute, Submarine Cable.

- 1 1860 ft. length on submarine reel
- 1 2140 ft. length on submarine reel

This order was dated March 23, 1950, and shipped from the factory August 9, 1950. The cable was laid on August 30, 1950.



PORTLAND GENERAL ELECTRIC COMPANY ORDER NO. 27925

3/C 500,000 CM, 13 KV, Okonite Submarine Cable, furnished in two lengths: 1860 ft. and 2140 ft. Core diameter under lead sheath - 3.65".

Overall diameter - 5.00"

Weight - 31 lbs. per foot.

Tested at 93,000 volts DC during fabrication and 74,000 volts DC after armoring, each test 15 minutes.

Picture #1

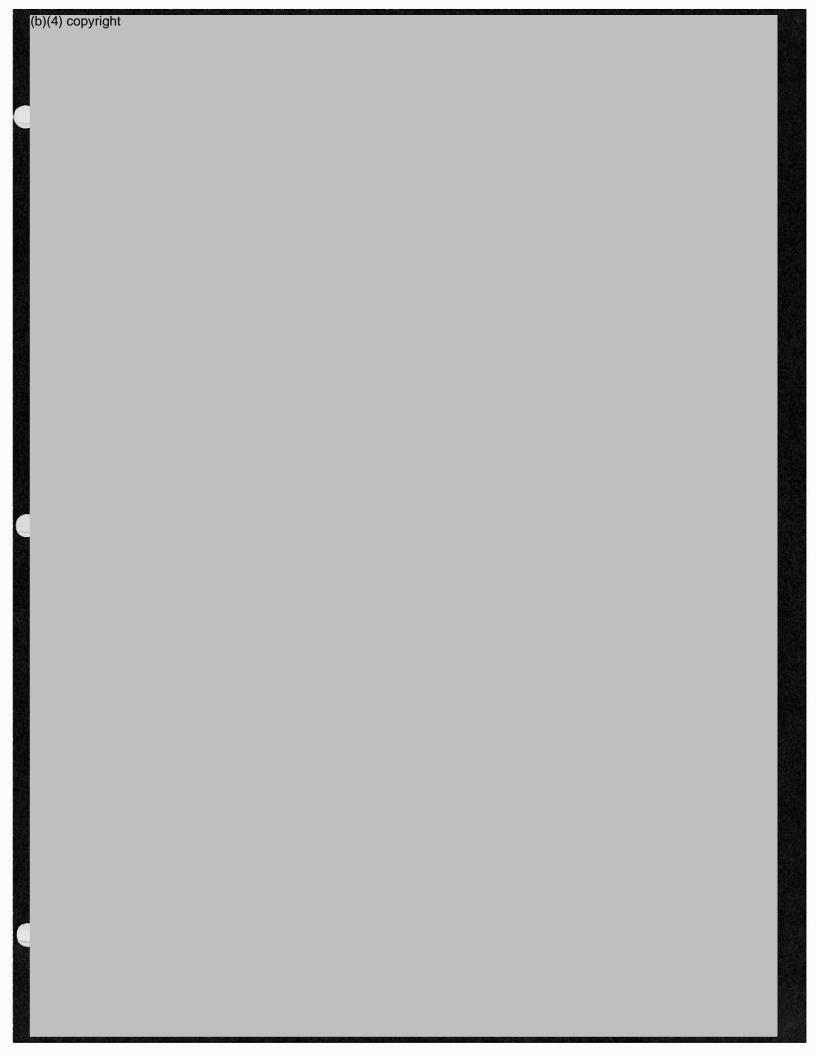
Showing steel reel and accessories ready for lifting from flat car to transfer to the steel barge.

Reel Size - 96"x 60"x 204"

Value of 2 reels and accessories - \$13,984.00

Picture #2

Willamette Tug and Barge Co. crane ready for the lift. Approximate weight of cable and reel - 50 tons.

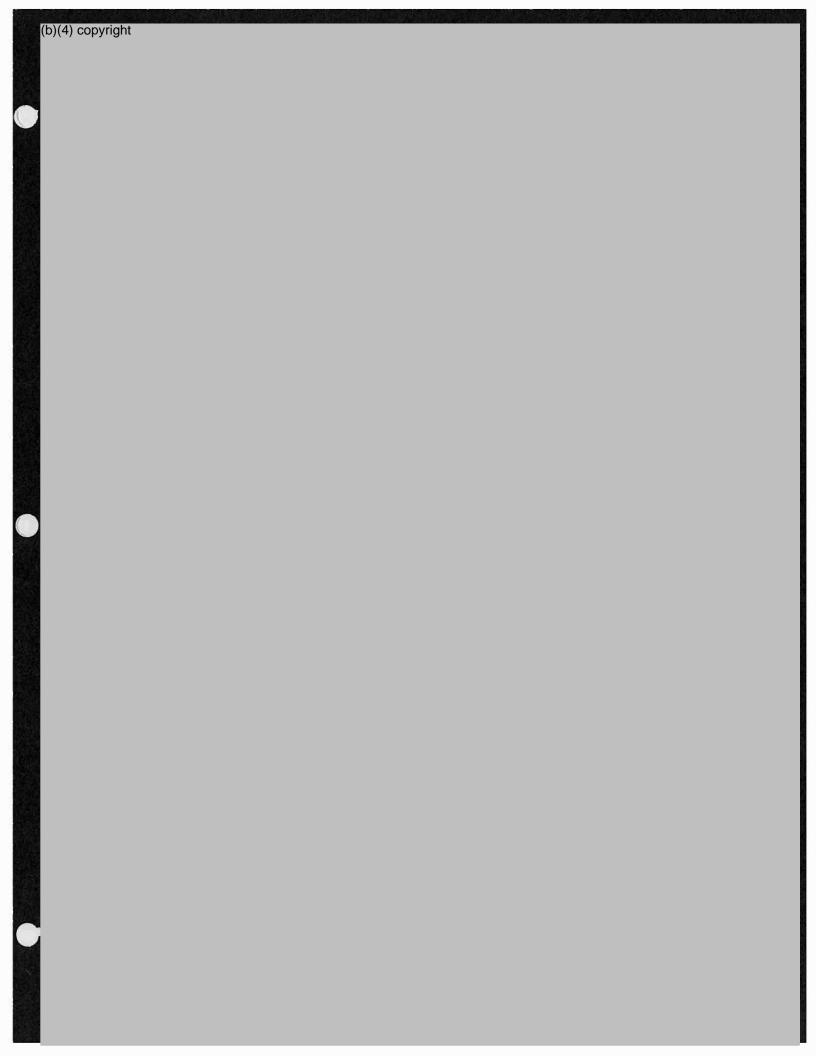


Picture #3

Lowering the first reel to the deck of the steel barge. J. C. Volpe, Underground Supt., directing operations.

Picture #4

Lowering the second reel to the barge.

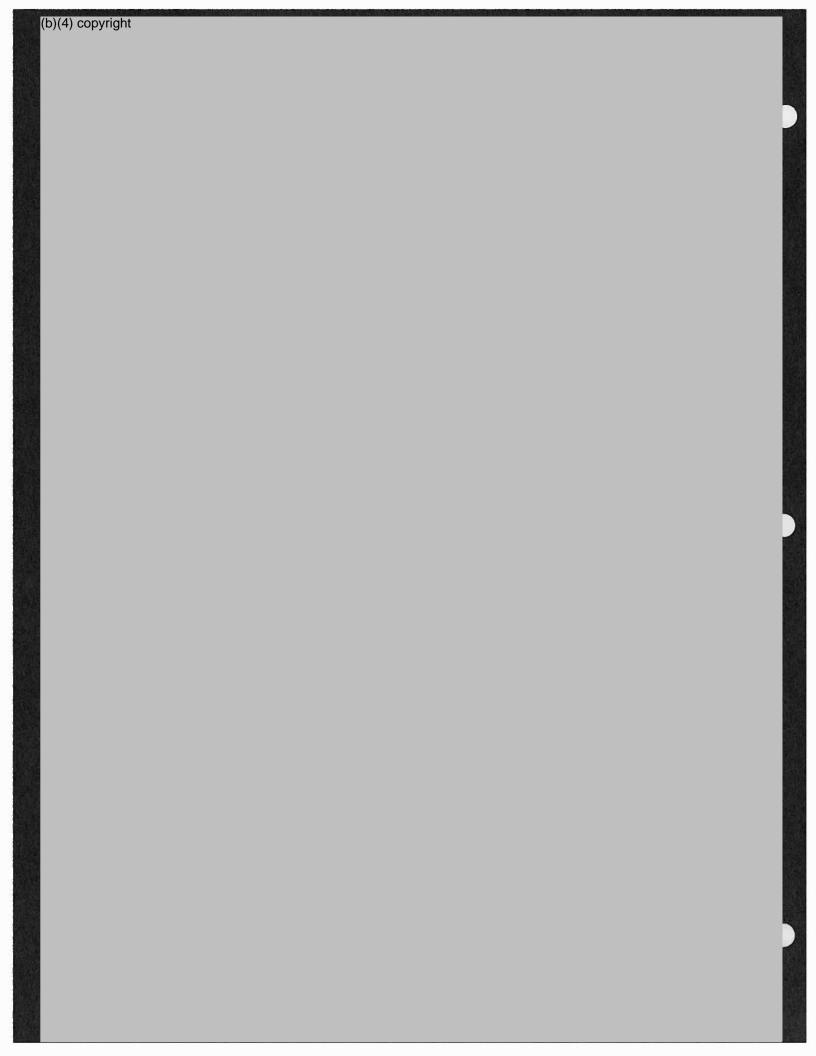


Picture #5

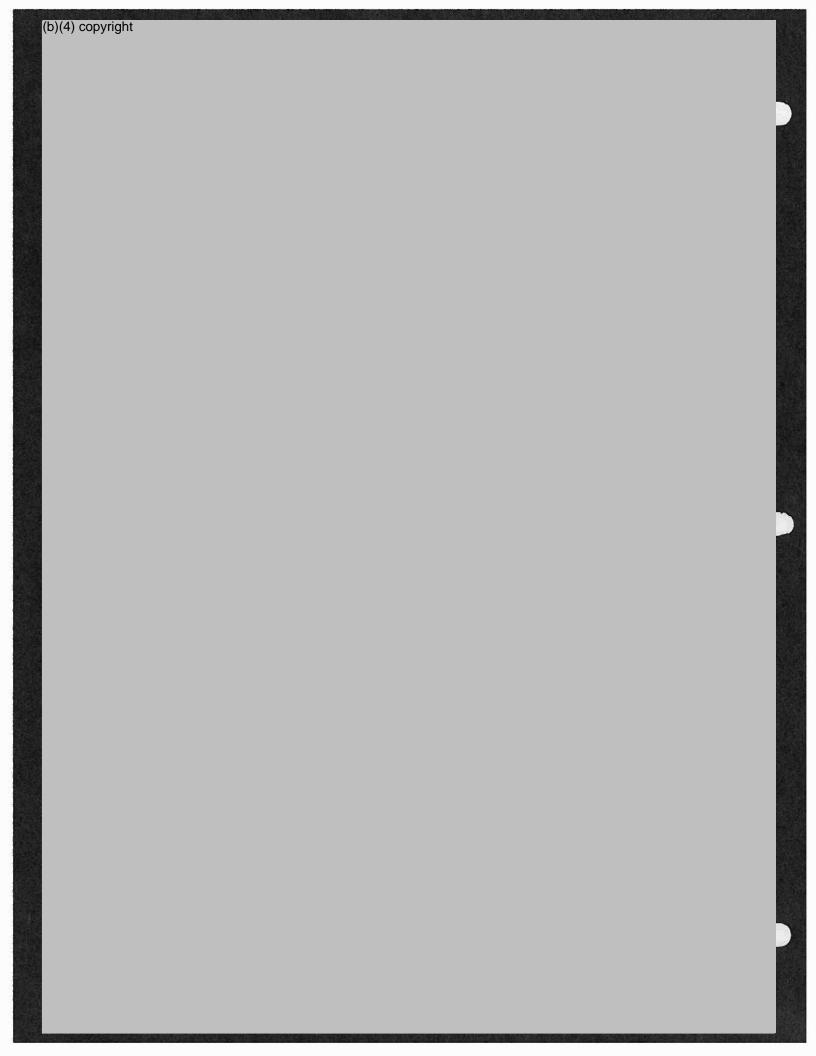
Positioning the second reel.

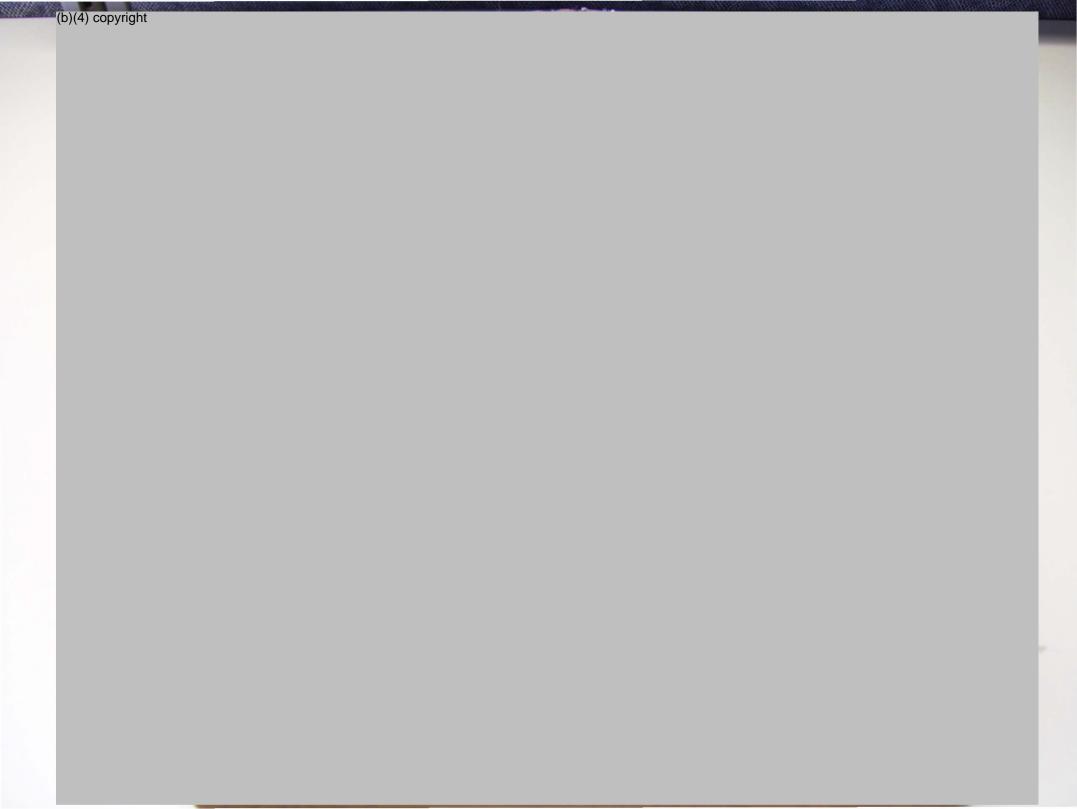
Picture #6

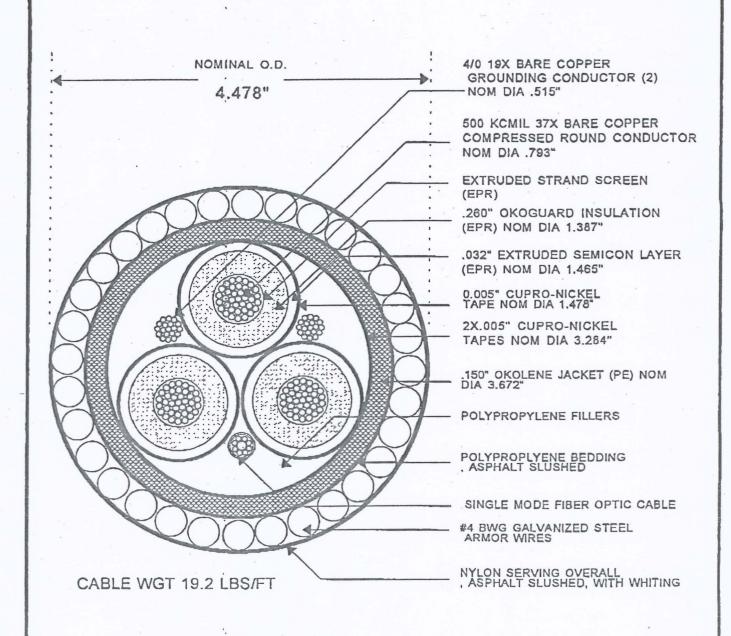
Ready to remove 50-ton lift beam.



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PORTLAND GE

OKO F O # 02-6849

3/C 500 KCMIL OKOGUARD SHLD CONDUCTORS WITH 2-#4/0 BC GRDS & 1 - SINGLE MODE FIBER OPTIC CABLE, OKOLENE JACKETED SUBMARINE CABLE

THE OKONITE COMPANY
RAMSEY, N.J.: USA

DATE:10/03/96

SCALE: NTS

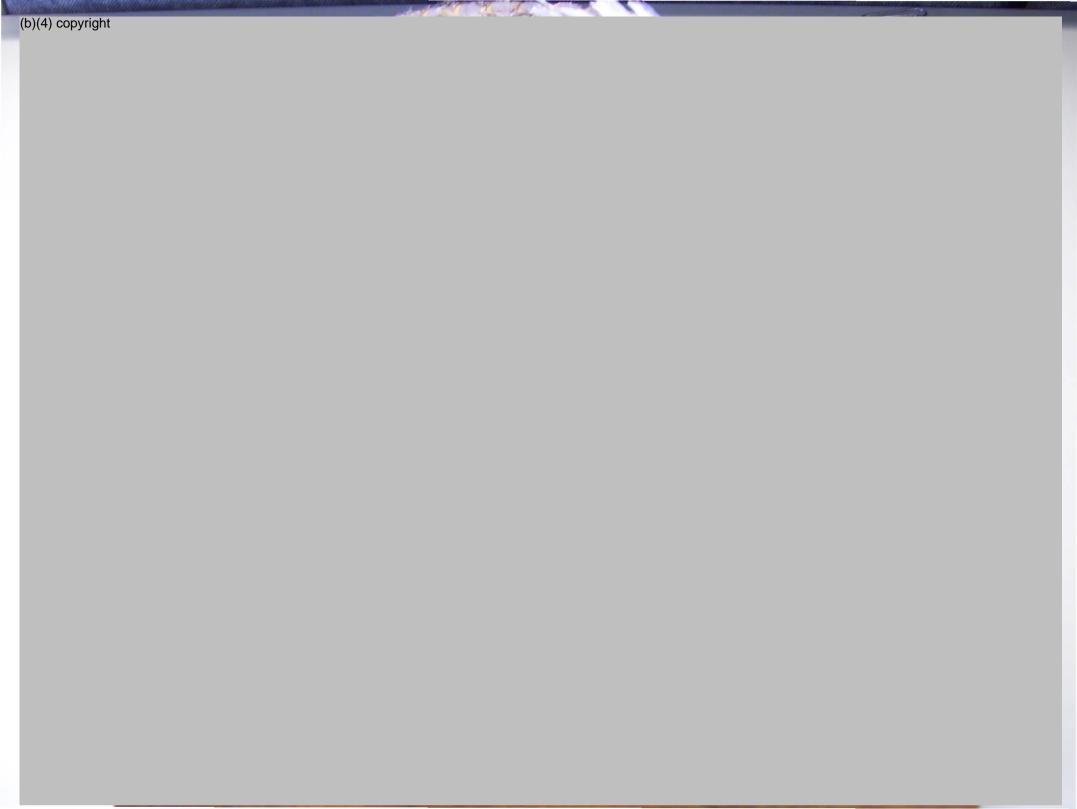
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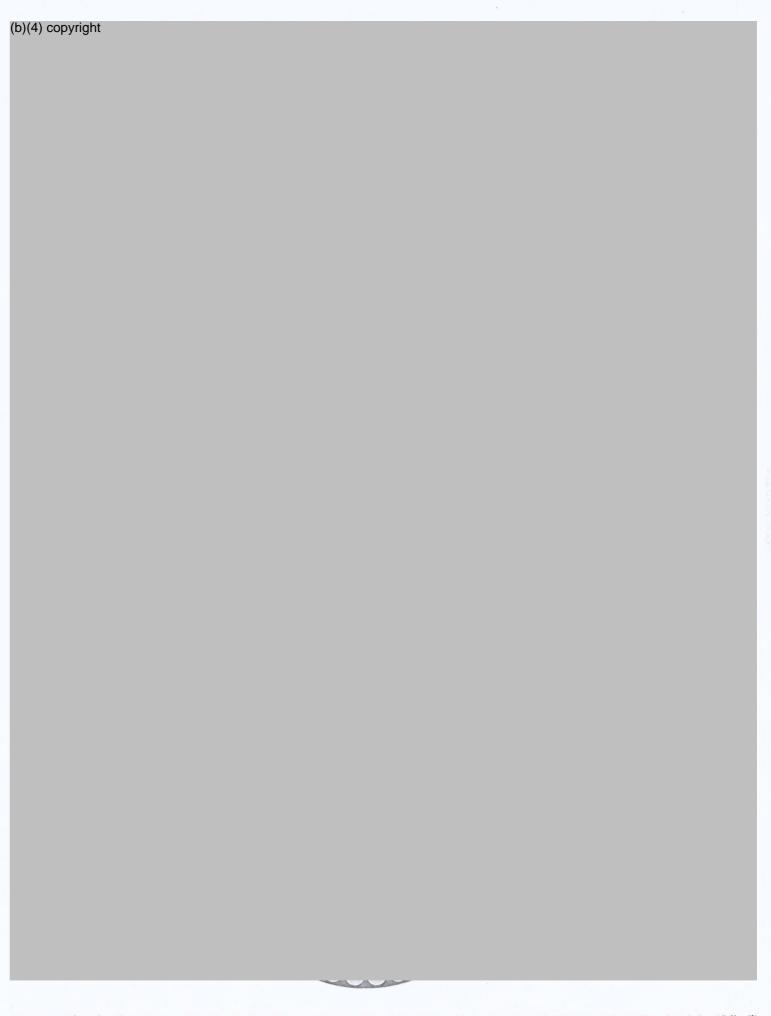
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CS-7725



Portland General Electric - Williamette River Project

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